



# Redfish

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## Redfish DCIM Work in Progress

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This document's normative language is English. Translation into other languages is permitted.

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IMPORTANT: These documents are not final. They do not necessarily reflect the views of the DMTF or its members. Because these documents are a Work in Progress, these documents may still change, perhaps profoundly and without notice. These documents are available for public review and comment until superseded.

The following files are part of the Redfish Data Center Infrastructure Management (DCIM) development effort:

- Redfish DCIM WIP v0.9.PDF - Presentation describing the contents of this bundle
- \metadata\ - Folder containing the DCIM Work in Progress schema files in CSDL format
- \json-schema\ - Folder containing the DCIM Work in Progress schema files in JSON schema format
- \wip-rackpdu\ - Folder containing a mockup of a Rack-mounted Power Distribution Unit

## Redfish Work in Progress

The following schema files are released as Work In Progress documents.

Schema File	Version	Date	Description
Alarm	0.9.0	2019-05-17	Work in Progress release.
Circuit	0.9.0	2019-05-17	Work in Progress release.
Facility	0.9.0	2019-05-17	Work in Progress release.
HVAC	0.9.0	2019-05-17	Work in Progress release.
HVACDomain	0.9.0	2019-05-17	Work in Progress release.
Outlet	0.9.0	2019-05-17	Work in Progress release.
OutletGroup	0.9.0	2019-05-17	Work in Progress release.
PowerDistribution	0.9.0	2019-05-17	Work in Progress release.
PowerDistributionMetrics	0.9.0	2019-05-17	Work in Progress release.
PowerDomain	0.9.0	2019-05-17	Work in Progress release.
PowerEquipment	0.9.0	2019-05-17	Work in Progress release.
Sensor	1.0.1	2019-05-16	Errata release from DSP8010 v2019.1, included here for reference.
ServiceRoot	1.6.0a	2019-05-17	Work in Progress release.
(Various Collections)	0.9.0	2019-05-17	Resource Collection definitions for DCIM schemas. Work in Progress release.

## Where can I find more information?

The following web sites provide more information about the Redfish standard:

- **Redfish Developer Hub:** <http://redfish.dmtf.org> Resources for developers building applications using Redfish. Contains an interactive schema explorer, hosted schema and other links.
- **Redfish User Forum:** <http://www.redfishforum.com> User forum monitored by DMTF Redfish personnel to answer questions about any Redfish-related topics:
- **DMTF Github Repositories:** <http://www.github.com/DMTF> Open source tools and libraries for working with the Redfish API.
- **Redfish Standards:** <http://www.dmtf.org/standards/redfish> Schemas, specs, mockups, white papers, FAQ, educational material and more.
- **DMTF Redfish Forum** (Working group that maintains the Redfish standard): <http://www.dmtf.org/standards/spmf> Companies involved, upcoming schedules and future work, charter, and information about joining.

## Using the reference guide

The DCIM Work in Progress schemas are listed in the following section for reference. This section should be considered an extension to the contents of DSP2046, the Redfish Resource and Schema Guide, which lists the common Redfish properties, other object definitions, and all released Redfish schemas.

This guide was produced using the contents of the schema files from DMTF Redfish DCIM Informational Specification bundle DSPIS-0005 version 0.9 and merged with supplemental text using the DMTF's [Redfish Documentation Generator](#).

## Common Properties

Properties and objects defined for all Redfish schemas, or referenced by the DCIM Work in Progress, are detailed in the Redfish Resource and Schema Guide (DSP2046), available for download at the Redfish Standards site: <http://www.dmtf.org/standards/redfish>

# Work in Progress Schema Reference Guide

## Alarm 0.9.0

v0.9

TBD

This resource defines the data definition for an Alarm. An Alarm is an entity that has a latch type behavior. It is designed to be used to persist sensor threshold crossing or to capture the momentary state of another property.

### URIs:

/redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Alarms/{AlarmId}

/redfish/v1/PowerEquipment/RackPDUs/{PowerDistributionId}/Alarms/{AlarmId}

/redfish/v1/PowerEquipment/TransferSwitches/{PowerDistributionId}/Alarms/{AlarmId}

<b>Acknowledged</b> (v0.9+)	boolean	read-write (null)	This is the acknowledge state of the Alarm.
<b>Actions</b> (v0.9+) { }	object		The available actions for this resource.
<b>AlarmState</b> (v0.9+)	string (enum)	read-write (null)	This is the Armed-Triggered-Disabled status of the Alarm. See <a href="#">AlarmState</a> in Property Details, below, for the possible values of this property.
<b>AutomaticReArm</b> (v0.9+)	boolean	read-only (null)	Identifies whether the Alarm will rearm automatically without requiring a Redfish client to change the AlarmState.
<b>Links</b> (v0.9+) { }	object		Contains references to other resources that are related to this resource.
<b>Oem</b> { }	object		See the OEM object definition in the <a href="#">Common properties</a> section. See the <a href="#">Resource</a> schema for details on this property.
<b>RelatedProperty</b>	string	read-only	This is the URI of the Property that the Alarm is triggered by.
<b>RelatedSensor</b> { }	object		This is the URI of the sensor that the alarm is triggered by.
<b>@odata.id</b> { }	string	read-only	The unique identifier for a resource.
<b>Message</b> (v0.9+)	string	read-only (null)	This property decodes from AlarmId in the Alarm Registry .
<b>MessageArgs</b> (v0.9+) [ ]	array (string)	read-only	The values of this property shall be any arguments for the message.
<b>MessageId</b> (v0.9+)	string	read-only	This property decodes from EntryType: If it is Event then it is a message id. Otherwise, it is SEL or Oem specific. This value is only used for registries - for more information, see the specification.
<b>Severity</b> (v0.9+)	string (enum)	read-only (null)	This is the severity of the Alarm. See <a href="#">Severity</a> in Property Details, below, for the possible values of this property.
<b>TriggerTime</b> (v0.9+)	string	read-only	The time the Alarm was triggered.

### Property Details

#### AlarmState:

This is the Armed-Triggered-Disabled status of the Alarm.

<b>string</b>
Armed

Disabled
Triggered

Severity:

This is the severity of the Alarm.

string
Critical
OK
Warning

Example Response

```
{
  "@odata.type": "#Alarm.v0_9_0.Alarm",
  "Id": "Overload",
  "Name": "PDU Unit Overload",
  "AlarmState": "Triggered",
  "Acknowledged": false,
  "Severity": "Critical",
  "TriggerTime": "2018-08-07T14:44:00Z",
  "AutomaticReArm": true,
  "Message": "Rack PDU Overload Condition",
  "MessageId": "DCIM.0.1.0.Overload",
  "MessageArgs": [
    "58703"
  ],
  "Links": {
    "RelatedSensor": {
      "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/ACMainPower"
    },
    "Oem": {}
  },
  "Oem": {},
  "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Alarms/Overload"
}
```

Circuit 0.9.0

v0.9
TBD

This is the schema definition for an electrical circuit.

URIs:

- /redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Branches/{CircuitId}
- /redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Inputs/{CircuitId}
- /redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Subfeeds/{CircuitId}
- /redfish/v1/PowerEquipment/RackPDUs/{PowerDistributionId}/Branches/{CircuitId}
- /redfish/v1/PowerEquipment/RackPDUs/{PowerDistributionId}/Inputs/{CircuitId}
- /redfish/v1/PowerEquipment/TransferSwitches/{PowerDistributionId}/Feeders/{CircuitId}
- /redfish/v1/PowerEquipment/TransferSwitches/{PowerDistributionId}/Inputs/{CircuitId}

<b>Actions</b> (v0.9+) {	object		The available actions for this resource.
<b>#Circuit.BreakerControl</b> { }	object		This action is used to attempt to reset the circuit breaker. <i>For more information, see the <a href="#">Actions</a> section below.</i>
<b>#Circuit.PowerControl</b> { }	object		This action is used to turn the circuit on or off. <i>For more information, see the <a href="#">Actions</a> section below.</i>
<b>#Circuit.ResetStatistics</b> { }	object		This action is used to reset statistics related to this circuit. <i>For more information, see the <a href="#">Actions</a> section below.</i>
}			
<b>BreakerState</b> (v0.9+)	string (enum)	read-only (null)	The state of the over current protection device. <i>See <a href="#">BreakerState</a> in Property Details, below, for the possible values of this property.</i>

<b>CircuitType</b> (v0.9+)	string (enum)	read-only (null)	Redfish DCIM Work in Progress The type of circuit. See <a href="#">CircuitType</a> in Property Details, below, for the possible values of this property.
<b>CriticalCircuit</b> (v0.9+)	boolean	read-write (null)	Designates if this is a critical circuit or outlet.
<b>CurrentSensor</b> (v0.9+) {	object (excerpt)		The current sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status</b> { }	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>EnergySensor</b> (v0.9+) {	object (excerpt)		The energy sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only	The power factor for this Sensor.

		(null)	Redfish DCIM Work in Progress
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>FrequencySensor (v0.9+) { }</b>	object (excerpt)		The frequency sensor for this circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>IndicatorLED</b>	string (enum)	read-write (null)	The state of the indicator LED, used to identify the circuit. <i>See <a href="#">IndicatorLED</a> in Property Details, below, for the possible values of this property.</i>
<b>Links (v0.9+) { }</b>	object		Contains references to other resources that are related to this resource.
<b>BranchCircuit { }</b>	object	(null)	A reference to the branch circuit related to this circuit.
<b>@odata.id</b>	string	read-only	<i>Link to another Circuit resource.</i>
<b>Oem { }</b>	object		See the OEM object definition in the <a href="#">Common properties</a> section. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>NominalVoltage (v0.9+) { }</b>	string (enum)	read-only (null)	The nominal voltage for this circuit. <i>See <a href="#">NominalVoltage</a> in Property Details, below, for the possible values of this property.</i>
<b>Outlets (v0.9+) [ { }</b>	array		An array of references to the outlets contained by this circuit.
<b>@odata.id</b>	string	read-only	<i>Link to a Outlet resource. See the Links section and the <a href="#">Outlet</a> schema for details.</i>



<b>PhaseWiringType</b> (v0.9+)	string (enum)	read-only (null)	The number of ungrounded current-carrying conductors (phases) and the total number of conductors (wires). See <a href="#">PhaseWiringType</a> in Property Details, below, for the possible values of this property.
<b>PlugType</b> (v0.9+)	string (enum)	read-only (null)	The type of plug according to NEMA, IEC, or regional standards. See <a href="#">PlugType</a> in Property Details, below, for the possible values of this property.
<b>PolyPhaseCurrentSensors</b> (v0.9+) {	object	(null)	The current sensors for this circuit.
<b>Line1</b> {	object (excerpt)		The current sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status</b> { }	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line2</b> {	object (excerpt)		The current sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.

<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line3 { }</b>	object (excerpt)		The current sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Neutral { }</b>	object (excerpt)		The current sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children.

}			See the <a href="#">Resource</a> schema for details on this property.
<b>PolyPhaseEnergySensors</b> (v0.9+) {	object	(null)	The energy sensors for this circuit.
<b>Line1ToLine2</b> {	object (excerpt)		The energy sensor for this circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status</b> { }	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line1ToNeutral</b> {	object (excerpt)		The energy sensor for this circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status</b> { }	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line2ToLine3</b> { redfish.dmtf.org	object		The Energy sensor for this circuit.

	(excerpt)		<i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line2ToNeutral { }</b>	object (excerpt)		The energy sensor for this circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line3ToLine1 { }</b>	object (excerpt)		The Energy sensor for this circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.

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<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line3ToNeutral { }</b>	object (excerpt)		The energy sensor for this circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>PolyPhasePowerSensors (v0.9+) { }</b>	object	(null)	The power sensors for this circuit.
<b>Line1ToLine2 { }</b>	object (excerpt)		The power sensor for this circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.

<b>LoadPercent</b>	number	read-only (null)	Redfish DCIM Work in Progress The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line1ToNeutral { }</b>	object (excerpt)		The Power sensor for this circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.

<b>Reading</b>	number	read-only (null)	The present value for this Sensor.Redfish DCIM Work in Progress
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line2ToLine3 { }</b>	object (excerpt)		The Power sensor for this circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line2ToNeutral { }</b>	object (excerpt)		The Power sensor for this circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.



<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor. <b>Redfish DCIM Work in Progress</b>
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line3ToLine1 { }</b>	object (excerpt)		The Power sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b> redfish.dmtf.org	object		This property describes the status and health of the resource and its children.



<b>}</b>			children. Redfish DCIM Work in Progress See the <a href="#">Resource</a> schema for details on this property.
<b>Line3ToNeutral {</b>	object (excerpt)		The Power sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>PolyPhaseVoltageSensors (v0.9+) {</b>	object	(null)	The voltage sensors for this circuit.
<b>Line1ToLine2 {</b>	object (excerpt)		The voltage sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible

			<i>values of this property.</i> Redfish DCIM Work in Progress
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line1ToNeutral { }</b>	object (excerpt)		The voltage sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line2ToLine3 { }</b>	object (excerpt)		The voltage sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.

<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line2ToNeutral { }</b>	object (excerpt)		The voltage sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line3ToLine1 { }</b>	object (excerpt)		The voltage sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children.

			See the <a href="#">Resource</a> schema for details on this property. <b>Redfish DSP Property in Progress</b>
<b>Line3ToNeutral {</b>	object (excerpt)		The voltage sensor for this circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>PowerCycleDelaySeconds (v0.9+)</b>	number	read-write (null)	The number of seconds to delay power on after a PowerControl request to cycle power. Zero seconds indicates no delay.
<b>PowerEnabled (v0.9+)</b>	boolean	read-only (null)	Indicates if the circuit can be powered.
<b>PowerOffDelaySeconds (v0.9+)</b>	number	read-write (null)	The number of seconds to delay power off after a PowerControl request. Zero seconds indicates no delay to power off.
<b>PowerOnDelaySeconds (v0.9+)</b>	number	read-write (null)	The number of seconds to delay power up after a power cycle or a PowerControl request. Zero seconds indicates no delay to power up.
<b>PowerRestoreDelaySeconds (v0.9+)</b>	number	read-write (null)	The number of seconds to delay power on after power has been restored. Zero seconds indicates no delay.
<b>PowerRestorePolicy (v0.9+)</b>	string (enum)	read-write	The desired power state of the outlet when power is restored after a power loss. <i>See <a href="#">PowerRestorePolicy</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerSensor (v0.9+) {</b>	object (excerpt)		The power sensor for this circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.

<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>PowerState</b>	string (enum)	read-only (null)	The power state of the circuit. See <a href="#">PowerState</a> in Property Details, below, for the possible values of this property.
<b>RatedCurrentAmps (v0.9+)</b>	number (A)	read-only (null)	The rated maximum current allowed for this circuit.
<b>Status (v0.9+) { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>TemperatureSensor (v0.9+) { }</b>	object (excerpt)		The temperature sensor for this circuit. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children.

			See the <a href="#">Resource</a> schema for details on this property. <b>Redfish DSP Work in Progress</b>
<b>VoltageSensor</b> (v0.9+) {	object (excerpt)		The voltage sensor for this single phase circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status</b> { }	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>VoltageType</b> (v0.9+)	string (enum)	read-only (null)	The type of voltage applied to the circuit. <i>See <a href="#">VoltageType</a> in Property Details, below, for the possible values of this property.</i>

## Actions

### BreakerControl

This action is used to attempt to reset the circuit breaker.

#### URIs:

[/redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Branches/{CircuitId}/Actions/Circuit.BreakerControl](#)  
[/redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Inputs/{CircuitId}/Actions/Circuit.BreakerControl](#)  
[/redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Subfeeds/{CircuitId}/Actions/Circuit.BreakerControl](#)  
[/redfish/v1/PowerEquipment/RackPDUs/{PowerDistributionId}/Branches/{CircuitId}/Actions/Circuit.BreakerControl](#)  
[/redfish/v1/PowerEquipment/RackPDUs/{PowerDistributionId}/Inputs/{CircuitId}/Actions/Circuit.BreakerControl](#)  
[/redfish/v1/PowerEquipment/TransferSwitches/{PowerDistributionId}/Feeders/{CircuitId}/Actions/Circuit.BreakerControl](#)  
[/redfish/v1/PowerEquipment/TransferSwitches/{PowerDistributionId}/Inputs/{CircuitId}/Actions/Circuit.BreakerControl](#)

The following table shows the parameters for the action which are included in the POST body to the URI shown in the "target" property of the Action.

{			
<b>PowerState</b>	string (enum)	read-write	The desired power state of the circuit if the breaker is reset successfully. <i>See <a href="#">PowerState</a> in Property Details, below, for the possible values of this property.</i>
}			

### PowerControl

This action is used to turn the circuit on or off.

#### URIs:

[/redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Branches/{CircuitId}/Actions/Circuit.PowerControl](#)

[/redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Inputs/{CircuitId}/Actions/Circuit.PowerControl](#)  
[/redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Subfeeds/{CircuitId}/Actions/Circuit.PowerControl](#)  
[/redfish/v1/PowerEquipment/RackPDUs/{PowerDistributionId}/Branches/{CircuitId}/Actions/Circuit.PowerControl](#)  
[/redfish/v1/PowerEquipment/RackPDUs/{PowerDistributionId}/Inputs/{CircuitId}/Actions/Circuit.PowerControl](#)  
[/redfish/v1/PowerEquipment/TransferSwitches/{PowerDistributionId}/Feeders/{CircuitId}/Actions/Circuit.PowerControl](#)  
[/redfish/v1/PowerEquipment/TransferSwitches/{PowerDistributionId}/Inputs/{CircuitId}/Actions/Circuit.PowerControl](#)

The following table shows the parameters for the action which are included in the POST body to the URI shown in the "target" property of the Action.

{			
<b>PowerState</b>	string (enum)	read-write	The desired power state of the circuit. See <a href="#">PowerState</a> in Property Details, below, for the possible values of this property.
}			

### ResetStatistics

This action is used to reset statistics related to this circuit.

#### URIs:

[/redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Branches/{CircuitId}/Actions/Circuit.ResetStatistics](#)  
[/redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Inputs/{CircuitId}/Actions/Circuit.ResetStatistics](#)  
[/redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Subfeeds/{CircuitId}/Actions/Circuit.ResetStatistics](#)  
[/redfish/v1/PowerEquipment/RackPDUs/{PowerDistributionId}/Branches/{CircuitId}/Actions/Circuit.ResetStatistics](#)  
[/redfish/v1/PowerEquipment/RackPDUs/{PowerDistributionId}/Inputs/{CircuitId}/Actions/Circuit.ResetStatistics](#)  
[/redfish/v1/PowerEquipment/TransferSwitches/{PowerDistributionId}/Feeders/{CircuitId}/Actions/Circuit.ResetStatistics](#)  
[/redfish/v1/PowerEquipment/TransferSwitches/{PowerDistributionId}/Inputs/{CircuitId}/Actions/Circuit.ResetStatistics](#)

(This action takes no parameters.)

## Property Details

### BreakerState:

The state of the over current protection device.

string	Description
Normal	The breaker is powered on.
Off	The breaker is off.
Tripped	The breaker has been tripped.

### CircuitType:

The type of circuit.

string	Description
Branch	A branch (output) circuit.
Feeder	A feeder (output) circuit.
Mains	A mains input or utility circuit.
Subfeed	A subfeed (output) circuit.

### IndicatorLED:

The state of the indicator LED, used to identify the circuit.

string	Description
Blinking	The Indicator LED is blinking.
Lit	The Indicator LED is lit.

Off	The Indicator LED is off.
-----	---------------------------

**NominalVoltage:**

The nominal voltage for this circuit.

string	Description
AC120V	AC 120V nominal input.
AC240V	AC 240V nominal input.
AC277V	AC 277V nominal input.
ACandDCWideRange	Wide range AC or DC input.
ACWideRange	Wide range AC input.
DC240V	DC 240V nominal input.
DC380V	High Voltage DC input (380V).
DCNeg48V	-48V DC input.

**PhaseWiringType:**

The number of ungrounded current-carrying conductors (phases) and the total number of conductors (wires).

string	Description
OnePhase3Wire	1-Phase / 3-Wire (Line1, Neutral, Protective Earth).
ThreePhase4Wire	3-Phase / 4-Wire (Line1, Line2, Line3, Protective Earth).
ThreePhase5Wire	3-Phase / 5-Wire (Line1, Line2, Line3, Neutral, Protective Earth).
TwoPhase3Wire	2-Phase / 3-Wire (Line1, Line2, Protective Earth).
TwoPhase4Wire	2-Phase / 4-Wire (Line1, Line2, Neutral, Protective Earth).

**PhysicalContext:**

Describes the area or device to which this sensor measurement applies.

string	Description
Accelerator	An Accelerator.
ACInput	An AC Input.
ACMaintenanceBypassInput	An AC Maintenance Bypass Input.
ACOutput	An AC Output.
ACStaticBypassInput	An AC Static Bypass Input.
ACUtilityInput	An AC Utility Input.
ASIC	An ASIC device, such as networking chip or a chipset component.
Back	The back of the chassis.
Backplane	A backplane within the chassis.
Chassis	The entire chassis.
ComputeBay	Within a compute bay.
CoolingSubsystem	The entire cooling (air and liquid) subsystem.
CPU	A Processor (CPU).
CPUSubsystem	The entire Processor (CPU) subsystem.



DCBus	A DC Bus.	Redfish DCIM Work in Progress
Exhaust	The air exhaust point(s) or region of the chassis.	
ExpansionBay	Within an expansion bay.	
Fan	A fan.	
FPGA	A Field Programmable Gate Array (FPGA).	
Front	The front of the chassis.	
GPU	A Graphics Processor (GPU).	
GPUSubsystem	The entire Graphics Processor (GPU) subsystem.	
Intake	The air intake point(s) or region of the chassis.	
LiquidInlet	The liquid inlet point of the chassis.	
LiquidOutlet	The liquid outlet point of the chassis.	
Lower	The lower portion of the chassis.	
Memory	A memory device.	
MemorySubsystem	The entire Memory subsystem.	
Motor	A motor.	
NetworkBay	Within a networking bay.	
NetworkingDevice	A networking device.	
PowerSupply	A power supply.	
PowerSupplyBay	Within a power supply bay.	
Room	The room.	
StorageBay	Within a storage bay.	
StorageDevice	A storage device.	
SystemBoard	The system board (PCB).	
Transformer	A Transformer.	
Upper	The upper portion of the chassis.	
VoltageRegulator	A voltage regulator device.	

#### PhysicalSubContext:

Describes the usage or location within a device to which this sensor measurement applies.

string	Description
Input	The input.
Output	The output.

#### PlugType:

The type of plug according to NEMA, IEC, or regional standards.

string	Description
California_CS8265	California Standard CS8265 (Single-phase 250V; 50A; 2P3W).
California_CS8365	California Standard CS8365 (Three-phase 250V; 50A; 3P4W).
Field_208V_3P4W_60A	Field-wired; three-phase 200-250V; 60A; 3P4W).

Field_400V_3P5W_32A	Field-wired; three-phase 200-240/346-415V; 32A; 3P5W.	Redfish DCIM Work in Progress
IEC_60309_1P3W_16A	IEC 60309 316P6 (Single-phase 200-250V; 16A; 1P3W; Blue, 6-hour).	
IEC_60309_1P3W_32A	IEC 60309 332P6 (Single-phase 200-250V; 32A; 1P3W; Blue, 6-hour).	
IEC_60309_1P3W_63A	IEC 60309 363P6 (Single-phase 200-250V; 63A; 1P3W; Blue, 6-hour).	
IEC_60309_3P4W_60A	IEC 60309 460P9 (Three-phase 200-250V; 60A; 3P4W; Blue; 9-hour).	
IEC_60309_3P5W_16A	IEC 60309 516P6 (Three-phase 200-240/346-415V; 16A; 3P5W; Red; 6-hour).	
IEC_60309_3P5W_32A	IEC 60309 532P6 (Three-phase 200-240/346-415V; 32A; 3P5W; Red; 6-hour).	
IEC_60309_3P5W_60A	IEC 60309 560P9 (Three-phase 120-144/208-250V; 60A; 3P5W; Blue; 9-hour).	
IEC_60309_3P5W_63A	IEC 60309 563P6 (Three-phase 200-240/346-415V; 63A; 3P5W; Red; 6-hour).	
IEC_60320_C14	IEC C14 (Single-phase 250V; 10A; 1P3W).	
IEC_60320_C20	IEC C20 (Single-phase 250V; 16A; 1P3W).	
NEMA_5_15P	NEMA 5-15P (Single-phase 125V; 15A; 1P3W).	
NEMA_5_20P	NEMA 5-20P (Single-phase 125V; 20A; 1P3W).	
NEMA_6_15P	NEMA 6-15P (Single-phase 250V; 15A; 2P3W).	
NEMA_6_20P	NEMA 6-20P (Single-phase 250V; 20A; 2P3W).	
NEMA_L14_20P	NEMA L14-20P (Split-phase 125/250V; 20A; 2P4W).	
NEMA_L14_30P	NEMA L14-30P (Split-phase 125/250V; 30A; 2P4W).	
NEMA_L15_20P	NEMA L15-20P (Three-phase 250V; 20A; 3P4W).	
NEMA_L15_30P	NEMA L15-30P (Three-phase 250V; 30A; 3P4W).	
NEMA_L21_20P	NEMA L21-20P (Three-phase 120/208V; 20A; 3P5W).	
NEMA_L21_30P	NEMA L21-30P (Three-phase 120/208V; 30A; 3P5W).	
NEMA_L22_20P	NEMA L22-20P (Three-phase 277/480V; 20A; 3P5W).	
NEMA_L22_30P	NEMA L22-30P (Three-phase 277/480V; 30A; 3P5W).	
NEMA_L5_15P	NEMA L5-15P (Single-phase 125V; 15A; 1P3W).	
NEMA_L5_20P	NEMA L5-20P (Single-phase 125V; 20A; 1P3W).	
NEMA_L5_30P	NEMA L5-30P (Single-phase 125V; 30A; 1P3W).	
NEMA_L6_15P	NEMA L6-15P (Single-phase 250V; 15A; 2P3W).	
NEMA_L6_20P	NEMA L6-20P (Single-phase 250V; 20A; 2P3W).	
NEMA_L6_30P	NEMA L6-30P (Single-phase 250V; 30A; 2P3W).	

#### PowerRestorePolicy:

The desired power state of the outlet when power is restored after a power loss.

string	Description
AlwaysOff	The outlet will always remain powered off when power is applied.
AlwaysOn	The outlet will always power on when power is applied.
LastState	The outlet will return to its last power state (on or off) when power is applied.

#### PowerState:

The power state of the circuit.

string	Description
Off	The state is powered Off.
On	The state is powered On.
PoweringOff	A temporary state between On and Off.
PoweringOn	A temporary state between Off and On.

**VoltageType:**

The type of voltage applied to the circuit.

string	Description
AC	Alternating Current (AC) circuit.
DC	Direct Current (DC) circuit.

**Example Response**

```
{
  "@odata.type": "#Circuit.v0_9_0.Circuit",
  "Id": "A",
  "Name": "Branch Circuit A",
  "Status": {
    "State": "Enabled",
    "Health": "OK"
  },
  "CircuitType": "Branch",
  "PhaseWiringType": "TwoPhase3Wire",
  "NominalVoltage": "AC240V",
  "RatedCurrentAmps": 16,
  "BreakerState": "Normal",
  "PolyPhaseVoltageSensors": {
    "Line1ToNeutral": {
      "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/VoltageAL1N",
      "Name": "Branch A Voltage L1N",
      "Reading": 118.2,
      "ReadingUnits": "V"
    },
    "Line1ToLine2": {
      "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/VoltageAL1L2",
      "Name": "Branch A Voltage L12",
      "Reading": 203.5,
      "ReadingUnits": "V"
    }
  },
  "CurrentSensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/CurrentA",
    "Name": "Branch A Current",
    "Reading": 5.19,
    "PeakReading": 6.50,
    "ReadingUnits": "A"
  },
  "PolyPhaseCurrentSensors": {
    "Line1": {
      "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/CurrentA",
      "Name": "Branch A Current",
      "Reading": 5.19,
      "PeakReading": 6.50,
      "ReadingUnits": "A"
    }
  },
  "PowerSensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/PowerA",
    "Name": "Branch A Power",
    "Reading": 937.4,
    "PeakReading": 1000.5,
    "ReadingUnits": "W",
    "ApparentVA": 937.4,
    "ReactiveVAR": 0.0,
    "PowerFactor": 1.00
  },
  "PolyPhasePowerSensors": {
    "Line1ToNeutral": {
      "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/PowerA1",
      "Name": "Branch A Power",
      "Reading": 937.4,
      "PeakReading": 1000.5,
      "ReadingUnits": "W",
      "ApparentVA": 937.4,
      "ReactiveVAR": 0,
      "PowerFactor": 1.00
    }
  },
  "FrequencySensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/FrequencyA",
    "Name": "Branch A Frequency",
    "Reading": 60.0,
    "ReadingUnits": "Hz"
  },
  "EnergySensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/EnergyA",
    "Name": "Branch A Energy",

```

```

    "Reading": 325675,
    "ReadingUnits": "kW.h"
  },
  "Outlets": [ {
    "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Outlets/A1"
  },
  {
    "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Outlets/A2"
  },
  {
    "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Outlets/A3"
  }
],
  "Actions": {
    "#Circuit.BreakerControl": {
      "target": "/redfish/v1/PowerEquipment/RackPDUs/1/Branches/A/Circuit.BreakerControl"
    },
    "#Outlet.ResetStatistics": {
      "target": "/redfish/v1/PowerEquipment/RackPDUs/1/Branches/A/Circuit.ResetStatistics"
    }
  },
  "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Branches/A"
}

```

## Facility 0.9.0

v0.9

TBD

The Facility schema represents the physical location containing equipment, such as a room, building, or campus.

### URIs:

/redfish/v1/Facilities/{[FacilityId](#)}

<b>Actions</b> (v0.9+) { }	object		The available actions for this resource.
<b>FacilityType</b> (v0.9+)	string (enum)	read-only required	The type of location this resource represents. See <a href="#">FacilityType</a> in Property Details, below, for the possible values of this property.
<b>HVACDomains</b> (v0.9+) { }	object		Link to the HVAC domains in this facility. Contains a link to a resource.
<b>@odata.id</b> { }	string	read-only	Link to Collection of <a href="#">HVACDomain</a> . See the HVACDomain schema for details.
<b>Links</b> (v0.9+) { }	object		Contains references to other resources that are related to this resource.
<b>ContainedBy</b> { }	object		A reference to the facility that this facility is contained by.
<b>@odata.id</b> { }	string	read-only	Link to another Facility resource.
<b>Contains</b> [ { }	array		An array of references to any other facility that this facility has in it.
<b>@odata.id</b> { }	string	read-only	Link to another Facility resource.
<b>ContainsChassis</b> [ { }	array		An array of references to chassis instances that this facility has in it.
<b>}}</b>		read-write	
<b>ManagedBy</b> [ { }	array		An array of references to the Managers responsible for managing this facility.
<b>}}</b>		read-write	
<b>Oem</b> { }	object		See the OEM object definition in the <a href="#">Common properties</a> section. See the <a href="#">Resource</a> schema for details on this property.
<b>PowerDistributionEquipment</b> [ { }	array		An array of references to power distribution equipment that this facility

			has in it.	Redfish DCIM Work in Progress
<b>@odata.id</b> }] }	string	read-only	Link to a <a href="#">PowerDistribution</a> resource. See the <a href="#">Links</a> section and the <a href="#">PowerDistribution</a> schema for details.	
<b>Location</b> (v0.9+) { }	object		The Location of the facility. See the <a href="#">Resource</a> schema for details on this property.	
<b>PowerDomains</b> (v0.9+) { }	object		Link to the power domains in this facility. Contains a link to a resource.	
<b>@odata.id</b> }	string	read-only	Link to Collection of <a href="#">PowerDomain</a> . See the <a href="#">PowerDomain</a> schema for details.	
<b>Status</b> (v0.9+) { }	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.	

## Property Details

### FacilityType:

The type of location this resource represents.

string	Description
Building	A structure with a roof and walls.
Floor	A floor inside of a building.
Room	A room inside of a building or floor.
Site	A small area consisting of several buildings.

## Example Response

```
{
  "@odata.type": "#Facility.v0_9_0.Facility",
  "Id": "DCIMRoom",
  "Name": "The DCIM room mockup",
  "FacilityType": "Room",
  "Status": {
    "State": "Enabled",
    "Health": "OK"
  },
  "Location": {
    "PostalAddress": {
      "Country": "US",
      "Territory": "OR",
      "City": "Portland",
      "Street": "1001 SW 5th Avenue",
      "HouseNumber": 1100,
      "Name": "DMTF, Inc.",
      "PostalCode": "97204",
      "Floor": "1",
      "Room": "Lab06"
    }
  },
  "PowerDomains": {
    "@odata.id": "/redfish/v1/Facilities/DCIMRoom/PowerDomains"
  },
  "HVACDomains": {
    "@odata.id": "/redfish/v1/Facilities/DCIMRoom/HVACDomains"
  },
  "Links": {
    "ContainedBy": {
      "@odata.id": "/redfish/v1/Facilities/DCIMBuilding"
    }
  },
  "@odata.id": "/redfish/v1/Facilities/DCIMRoom"
}
```

## HVAC 0.9.0

v0.9
TBD

This is the schema definition for HVAC equipment.

<b>Actions</b> (v0.9+) { }	object		The available actions for this resource. Redfish DCIM Work in Progress
<b>Alarms</b> (v0.9+) { }	object		Contains the navigation pointer to the equipment Alarm collection. <i>Contains a link to a resource.</i>
<b>@odata.id</b> }	string	read-only	Link to Collection of <a href="#">Alarm</a> . See the Alarm schema for details.
<b>Links</b> (v0.9+) { }	object		Contains references to other resources that are related to this resource.
<b>Chassis</b> [ { }	array		An array of references to the chassis associated with the HVAC equipment.
}]		read-write	
<b>ManagedBy</b> [ { }	array		An array of references to the Managers responsible for managing this equipment.
}]		read-write	
<b>Oem</b> { }	object		See the OEM object definition in the <a href="#">Common properties</a> section. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Sensors</b> (v0.9+) { }	object		The navigation pointer to the collection of sensors located in the equipment and sub-components. <i>Contains a link to a resource.</i>
<b>@odata.id</b> }	string	read-only	Link to Collection of <a href="#">Sensor</a> . See the Sensor schema for details.
<b>Status</b> (v0.9+) { }	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>TriggeredAlarms</b> (v0.9+) [ { }	array		Contains the array of 0 or more triggered alarms.
<b>@odata.id</b> }]	string	read-only	Link to a Alarm resource. See the Links section and the <a href="#">Alarm</a> schema for details.

## HVACDomain 0.9.0

v0.9
TBD

This is the schema definition for the HVAC domain.

<b>Actions</b> (v0.9+) { }	object		The available actions for this resource.
<b>Links</b> (v0.9+) { }	object		Contains references to other resources that are related to this resource.
<b>ManagedBy</b> [ { }	array		An array of references to the Managers responsible for managing this power zone.
}]		read-write	
<b>Oem</b> { }	object		See the OEM object definition in the <a href="#">Common properties</a> section. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>RelatedSystems</b> [ { }	array		An array of references to the Systems associated with this domain.
}]		read-write	
<b>Status</b> (v0.9+) { }	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>

<b>TriggeredAlarms</b> (v0.9+) [ {	array		Contains the array of 0 or more triggered alarms. Redfish DCIM Work in Progress
@odata.id	string	read-only	Link to a Alarm resource. See the Links section and the <a href="#">Alarm</a> schema for details.
}]			

## Example Response

```
{
  "@odata.type": "#HVACDomain.v0_9_0.HVACDomain",
  "Id": "Row1",
  "Name": "Row #1 HVAC Domain",
  "Status": {
    "State": "Enabled",
    "Health": "OK"
  },
  "Links": {
    "ManagedBy": [ {
      "@odata.id": "/redfish/v1/Managers/BMC"
    } ],
    "RelatedSystems": [ ]
  },
  "@odata.id": "/redfish/v1/Facilities/DCIMRoom/HVACDomains/Row1"
}
```

## Outlet 0.9.0

v0.9
TBD

This is the schema definition for an electrical outlet.

<b>Actions</b> (v0.9+) {	object		The available actions for this resource.
<b>#Outlet.BreakerControl</b> { }	object		This action is used to attempt to reset the outlet breaker. <i>For more information, see the <a href="#">Actions</a> section below.</i>
<b>#Outlet.PowerControl</b> { }	object		This action is used to turn the outlet on or off. <i>For more information, see the <a href="#">Actions</a> section below.</i>
<b>#Outlet.ResetStatistics</b> { }	object		This action is used to reset statistics related to this outlet. <i>For more information, see the <a href="#">Actions</a> section below.</i>
}			
<b>BreakerState</b> (v0.9+)	string (enum)	read-only (null)	The state of the over current protection device. <i>See <a href="#">BreakerState</a> in Property Details, below, for the possible values of this property.</i>
<b>CurrentSensor</b> (v0.9+) {	object (excerpt)		The current sensor for this outlet. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.

<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>EnergySensor (v0.9+) { }</b>	object (excerpt)		The energy sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>FrequencySensor (v0.9+) { }</b>	object (excerpt)		The frequency sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string	read-only	Describes the usage or location within a device to which this sensor



	(enum)	(null)	measurement applies. Redfish DCIM Work in Progress See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>IndicatorLED</b>	string (enum)	read-write (null)	The state of the indicator LED, used to identify the outlet. See <a href="#">IndicatorLED</a> in Property Details, below, for the possible values of this property.
<b>Links (v0.9+) { }</b>	object		Contains references to other resources that are related to this resource.
<b>BranchCircuit { }</b>	object	(null)	A reference to the branch circuit related to this outlet. See the <a href="#">Circuit</a> schema for details on this property.
<b>@odata.id { }</b>	string	read-only	Link to a Circuit resource. See the Links section and the <a href="#">Circuit</a> schema for details.
<b>Oem { }</b>	object		See the OEM object definition in the <a href="#">Common properties</a> section. See the <a href="#">Resource</a> schema for details on this property.
<b>NominalVoltage (v0.9+)</b>	string (enum)	read-only (null)	The nominal voltage for this outlet. See <a href="#">NominalVoltage</a> in Property Details, below, for the possible values of this property.
<b>OutletType (v0.9+)</b>	string (enum)	read-only (null)	The type of receptacle according to NEMA, IEC, or regional standards. See <a href="#">OutletType</a> in Property Details, below, for the possible values of this property.
<b>PhaseWiringType (v0.9+)</b>	string (enum)	read-only (null)	The number of ungrounded current-carrying conductors (phases) and the total number of conductors (wires). See <a href="#">PhaseWiringType</a> in Property Details, below, for the possible values of this property.
<b>PolyPhaseCurrentSensors (v0.9+) { }</b>	object	(null)	The current sensors for this outlet.
<b>Line1 { }</b>	object (excerpt)		The current sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.

<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line2 { }</b>	object (excerpt)		The current sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line3 { }</b>	object (excerpt)		The current sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b> redfish.dmtf.org	object		This property describes the status and health of the resource and its children.

}			children. Redfish DCIM Work in Progress See the <a href="#">Resource</a> schema for details on this property.
<b>Neutral {</b>	object (excerpt)		The current sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>PolyPhaseEnergySensors (v0.9+) {</b>	object	(null)	The energy sensors for this outlet.
<b>Line1ToLine2 {</b>	object (excerpt)		The energy sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.

<b>Line1ToNeutral {</b>	object (excerpt)		The energy sensor for this outlet. Redfish DCIM Work in Progress <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line2ToLine3 {</b>	object (excerpt)		The Energy sensor for this outlet. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line2ToNeutral {</b>	object (excerpt)		The energy sensor for this outlet. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b> redfish.dmtf.org	string	read-only	A link to the resource that provides the data for this object.

		(null)	Redfish DCIM Work in Progress
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line3ToLine1 { }</b>	object (excerpt)		The Energy sensor for this outlet. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line3ToNeutral { }</b>	object (excerpt)		The energy sensor for this outlet. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.

<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor. <i>Redfish DCIM Work in Progress</i>
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>PolyPhasePowerSensors (v0.9+) { }</b>	object	(null)	The power sensors for this outlet.
<b>Line1ToLine2 { }</b>	object (excerpt)		The power sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line1ToNeutral { }</b> redfish.dmtf.org	object		The Power sensor for this outlet.

	(excerpt)		<i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line2ToLine3 { }</b>	object (excerpt)		The Power sensor for this outlet. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible</i>



			<i>values of this property.</i>	Redfish DCIM Work in Progress
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.	
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.	
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.	
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.	
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>	
<b>Line2ToNeutral { }</b>	object (excerpt)		The Power sensor for this outlet. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>	
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.	
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.	
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.	
<b>Name</b>	string	read-only required	The name of the resource or array element.	
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.	
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>	
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>	
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.	
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.	
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.	
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.	
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>	
<b>Line3ToLine1 { }</b>	object (excerpt)		The Power sensor for this outlet. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>	
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.	
<b>DataSourceUri</b>	string	read-only	A link to the resource that provides the data for this object.	



		(null)	Redfish DCIM Work in Progress
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line3ToNeutral { }</b>	object (excerpt)		The Power sensor for this outlet. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.

<b>Reading</b>	number	read-only (null)	Redfish DCIM Work in Progress The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>PolyPhaseVoltageSensors (v0.9+) { }</b>	object	(null)	The voltage sensors for this outlet.
<b>Line1ToLine2 { }</b>	object (excerpt)		The voltage sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line1ToNeutral { }</b>	object (excerpt)		The voltage sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.

<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured. <span style="float: right;">Redfish DCIM Work in Progress</span>
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line2ToLine3 { }</b>	object (excerpt)		The voltage sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line2ToNeutral { }</b>	object (excerpt)		The voltage sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its

}			children. Redfish DCIM Work in Progress See the <a href="#">Resource</a> schema for details on this property.
<b>Line3ToLine1 {</b>	object (excerpt)		The voltage sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line3ToNeutral {</b>	object (excerpt)		The voltage sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>PowerCycleDelaySeconds (v0.9+)</b>	number	read-write (null)	The number of seconds to delay power on after a PowerControl request to cycle power. Zero seconds indicates no delay.

<b>PowerEnabled</b> (v0.9+)	boolean	read-only (null)	Indicates if the outlet can be powered.
<b>PowerOffDelaySeconds</b> (v0.9+)	number	read-write (null)	The number of seconds to delay power off after a PowerControl request. Zero seconds indicates no delay to power off.
<b>PowerOnDelaySeconds</b> (v0.9+)	number	read-write (null)	The number of seconds to delay power up after a power cycle or a PowerControl request. Zero seconds indicates no delay to power up.
<b>PowerRestoreDelaySeconds</b> (v0.9+)	number	read-write (null)	The number of seconds to delay power on after power has been restored. Zero seconds indicates no delay.
<b>PowerRestorePolicy</b> (v0.9+)	string (enum)	read-write	The desired power state of the outlet when power is restored after a power loss. <i>See <a href="#">PowerRestorePolicy</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerSensor</b> (v0.9+) {	object (excerpt)		The power sensor for this outlet. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status</b> { }	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>PowerState</b>	string (enum)	read-only (null)	The power state of the outlet. <i>See <a href="#">PowerState</a> in Property Details, below, for the possible values of this property.</i>
<b>RatedCurrentAmps</b> (v0.9+)	number (A)	read-only (null)	The rated maximum current allowed for this outlet.
<b>Status</b> (v0.9+) { }	object		This property describes the status and health of the resource and its

			children. Redfish DCIM Work in Progress See the <a href="#">Resource</a> schema for details on this property.
<b>TemperatureSensor</b> (v0.9+) {	object (excerpt)		The temperature sensor for this outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status</b> { }	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>VoltageSensor</b> (v0.9+) {	object (excerpt)		The voltage sensor for this single phase outlet. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status</b> { }	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>VoltageType</b> (v0.9+)	string (enum)	read-only (null)	The type of voltage applied to the outlet. See <a href="#">VoltageType</a> in Property Details, below, for the possible values

## Actions

### BreakerControl

This action is used to attempt to reset the outlet breaker.

#### URIs:

The following table shows the parameters for the action which are included in the POST body to the URI shown in the "target" property of the Action.

{			
<b>PowerState</b>	string (enum)	read-write	The desired power state of the outlet if the breaker is reset successfully. See <a href="#">PowerState</a> in Property Details, below, for the possible values of this property.
}			

### PowerControl

This action is used to turn the outlet on or off.

#### URIs:

The following table shows the parameters for the action which are included in the POST body to the URI shown in the "target" property of the Action.

{			
<b>PowerState</b>	string (enum)	read-write	The desired power state of the outlet. See <a href="#">PowerState</a> in Property Details, below, for the possible values of this property.
}			

### ResetStatistics

This action is used to reset statistics related to this outlet.

#### URIs:

(This action takes no parameters.)

## Property Details

### BreakerState:

The state of the over current protection device.

string	Description
Normal	The breaker is powered on.
Off	The breaker is off.
Tripped	The breaker has been tripped.

### IndicatorLED:

The state of the indicator LED, used to identify the outlet.

string	Description
Blinking	The Indicator LED is blinking.
Lit	The Indicator LED is lit.
Off	The Indicator LED is off.

### NominalVoltage:

The nominal voltage for this outlet.

string	Description
AC120V	AC 120V nominal input.
AC240V	AC 240V nominal input.

AC277V	AC 277V nominal input.
ACandDCWideRange	Wide range AC or DC input.
ACWideRange	Wide range AC input.
DC240V	DC 240V nominal input.
DC380V	High Voltage DC input (380V).
DCNeg48V	-48V DC input.

**OutletType:**

The type of receptacle according to NEMA, IEC, or regional standards.

string	Description
BS_1363_Type_G	BS 1363 Type G (250V; 13A).
C13	IEC C13 (250V; 10A or 12A).
C15	IEC C15 (250V; 10A or 12A).
C19	IEC C19 (250V; 16A).
CEE_7_Type_E	CEE 7/7 Type E (250V; 16A).
CEE_7_Type_F	CEE 7/7 Type F (250V; 16A).
NEMA_5_15R	NEMA 5-15R (120V; 12A).
NEMA_5_20R	NEMA 5-20R (120V; 16A).
NEMA_L5_20R	NEMA L5-20R (120V; 16A).
NEMA_L5_30R	NEMA L5-30R (120V; 24A).
NEMA_L6_20R	NEMA L6-20R (250V; 16A).
NEMA_L6_30R	NEMA L6-30R (250V; 16A).
SEV_1011_TYPE_12	SEV 1011 Type 12 (250V; 10A).
SEV_1011_TYPE_23	SEV 1011 Type 23 (250V; 16A).

**PhaseWiringType:**

The number of ungrounded current-carrying conductors (phases) and the total number of conductors (wires).

string	Description
OnePhase3Wire	1-Phase / 3-Wire (Line1, Neutral, Protective Earth).
ThreePhase4Wire	3-Phase / 4-Wire (Line1, Line2, Line3, Protective Earth).
ThreePhase5Wire	3-Phase / 5-Wire (Line1, Line2, Line3, Neutral, Protective Earth).
TwoPhase3Wire	2-Phase / 3-Wire (Line1, Line2, Protective Earth).
TwoPhase4Wire	2-Phase / 4-Wire (Line1, Line2, Neutral, Protective Earth).

**PhysicalContext:**

Describes the area or device to which this sensor measurement applies.

string	Description
Accelerator	An Accelerator.
ACInput	An AC Input.



ACMaintenanceBypassInput	An AC Maintenance Bypass Input.	Redfish DCIM Work in Progress
ACOutput	An AC Output.	
ACStaticBypassInput	An AC Static Bypass Input.	
ACUtilityInput	An AC Utility Input.	
ASIC	An ASIC device, such as networking chip or a chipset component.	
Back	The back of the chassis.	
Backplane	A backplane within the chassis.	
Chassis	The entire chassis.	
ComputeBay	Within a compute bay.	
CoolingSubsystem	The entire cooling (air and liquid) subsystem.	
CPU	A Processor (CPU).	
CPUSubsystem	The entire Processor (CPU) subsystem.	
DCBus	A DC Bus.	
Exhaust	The air exhaust point(s) or region of the chassis.	
ExpansionBay	Within an expansion bay.	
Fan	A fan.	
FPGA	A Field Programmable Gate Array (FPGA).	
Front	The front of the chassis.	
GPU	A Graphics Processor (GPU).	
GPUSubsystem	The entire Graphics Processor (GPU) subsystem.	
Intake	The air intake point(s) or region of the chassis.	
LiquidInlet	The liquid inlet point of the chassis.	
LiquidOutlet	The liquid outlet point of the chassis.	
Lower	The lower portion of the chassis.	
Memory	A memory device.	
MemorySubsystem	The entire Memory subsystem.	
Motor	A motor.	
NetworkBay	Within a networking bay.	
NetworkingDevice	A networking device.	
PowerSupply	A power supply.	
PowerSupplyBay	Within a power supply bay.	
Room	The room.	
StorageBay	Within a storage bay.	
StorageDevice	A storage device.	
SystemBoard	The system board (PCB).	
Transformer	A Transformer.	
Upper	The upper portion of the chassis.	

**PhysicalSubContext:**

Describes the usage or location within a device to which this sensor measurement applies.

string	Description
Input	The input.
Output	The output.

**PowerRestorePolicy:**

The desired power state of the outlet when power is restored after a power loss.

string	Description
AlwaysOff	The outlet will always remain powered off when power is applied.
AlwaysOn	The outlet will always power on when power is applied.
LastState	The outlet will return to its last power state (on or off) when power is applied.

**PowerState:**

The power state of the outlet.

string	Description
Off	The state is powered Off.
On	The state is powered On.
PoweringOff	A temporary state between On and Off.
PoweringOn	A temporary state between Off and On.

**VoltageType:**

The type of voltage applied to the outlet.

string	Description
AC	Alternating Current (AC) outlet.
DC	Direct Current (DC) outlet.

**Example Response**

```
{
  "@odata.type": "#Outlet.v0_9_0.Outlet",
  "Id": "A1",
  "Name": "Outlet A1, Branch Circuit A",
  "Status": {
    "Health": "OK",
    "State": "Enabled"
  },
  "PhaseWiringType": "OnePhase3Wire",
  "VoltageType": "AC",
  "OutletType": "NEMA_5_20R",
  "RatedCurrentAmps": 20,
  "NominalVoltage": "AC120V",
  "IndicatorLED": "Lit",
  "PowerOnDelaySeconds": 4,
  "PowerOffDelaySeconds": 0,
  "PowerState": "On",
  "PowerEnabled": true,
  "VoltageSensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/VoltageA1",
    "Name": "Outlet A1 Voltage L1N",
    "Reading": 117.5,
    "ReadingUnits": "V"
  },
  "PolyPhaseVoltageSensors": {
    "Line1ToNeutral": {
      "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/VoltageA1",
```

```

    "Name": "Outlet A1 Voltage L1N",
    "Reading": 117.5,
    "ReadingUnits": "V"
  },
  "CurrentSensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/CurrentA1",
    "Name": "Outlet A1 Current",
    "Reading": 1.68,
    "PeakReading": 2.86,
    "ReadingUnits": "A"
  },
  "PolyPhaseCurrentSensors": {
    "Line1": {
      "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/CurrentA1",
      "Name": "Outlet A1 Current",
      "Reading": 1.68,
      "PeakReading": 2.86,
      "ReadingUnits": "A"
    }
  },
  "PowerSensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/PowerA1",
    "Name": "Outlet A1 Power",
    "Reading": 197.4,
    "PeakReading": 336.0,
    "ReadingUnits": "W",
    "ApparentVA": 197.4,
    "ReactiveVAR": 0.0,
    "PowerFactor": 1.00
  },
  "PolyPhasePowerSensors": {
    "Line1ToNeutral": {
      "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/PowerA1",
      "Name": "Outlet A1 Power",
      "Reading": 197.4,
      "PeakReading": 336.0,
      "ReadingUnits": "W",
      "ApparentVA": 197.4,
      "ReactiveVAR": 0.0,
      "PowerFactor": 1.00
    }
  },
  "FrequencySensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/FrequencyA1",
    "Name": "Outlet A1 Frequency",
    "Reading": 60.0,
    "ReadingUnits": "Hz"
  },
  "EnergySensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/EnergyA1",
    "Name": "Outlet A1 Energy",
    "Reading": 36166,
    "ReadingUnits": "kW.h"
  },
  "Actions": {
    "#Outlet.PowerControl": {
      "target": "/redfish/v1/PowerEquipment/RackPDUs/1/Outlets/A1/Outlet.PowerControl"
    },
    "#Outlet.ResetStatistics": {
      "target": "/redfish/v1/PowerEquipment/RackPDUs/1/Outlets/A1/Outlet.ResetStatistics"
    }
  },
  "Links": {
    "BranchCircuit": {
      "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Branches/A"
    }
  },
  "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Outlets/A1"
}
```

OutletGroup 0.9.0

v0.9
TBD

This is the schema definition for an electrical OutletGroup.

URIs:

/redfish/v1/PowerEquipment/RackPDUs/{PowerDistributionId}/OutletGroups/{OutletGroupId}

Actions (v0.9+) {	object		The available actions for this resource.
#OutletGroup.PowerControl { }	object		This action is used to turn the OutletGroup on or off. For more information, see the <a href="#">Actions</a> section below.
#OutletGroup.ResetStatistics { }	object		This action is used to reset statistics related to this outlet group. For more information, see the <a href="#">Actions</a> section below.
}			

<b>CreatedBy</b> (v0.9+)	string	read-write (null)	The creator of this outlet group. Redfish DCIM Work in Progress
<b>CurrentSensor</b> (v0.9+) {	object (excerpt)		The current sensor for this outlet group. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status</b> { }	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>EnergySensor</b> (v0.9+) {	object (excerpt)		The energy sensor for this outlet group. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.

<b>Reading</b>	number	read-only (null)	The present value for this Sensor. Redfish DCIM Work in Progress
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>FrequencySensor (v0.9+) { }</b>	object (excerpt)		The frequency sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Outlets (v0.9+) [ { }</b>	array		The set of outlets in this Outlet Group.
<b>@odata.id ] ]</b>	string	read-only	Link to a Outlet resource. See the Links section and the <a href="#">Outlet</a> schema for details.
<b>PolyPhaseCurrentSensors (v0.9+) { }</b>	object	(null)	The current sensors for this outlet group.
<b>Line1 { }</b>	object (excerpt)		The current sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible

			<i>values of this property.</i> Redfish DCIM Work in Progress
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line2 { }</b>	object (excerpt)		The current sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line3 { }</b>	object (excerpt)		The current sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.

<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status {}</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Neutral {</b>	object (excerpt)		The current sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status {}</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>PolyPhaseEnergySensors (v0.9+) {</b>	object	(null)	The energy sensors for this outlet group.
<b>Line1ToLine2 {</b>	object (excerpt)		The energy sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.

<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor. Redfish DCIM Work in Progress
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line1ToNeutral { }</b>	object (excerpt)		The energy sensor for this outlet group. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line2ToLine3 { }</b>	object (excerpt)		The Energy sensor for this outlet group. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.



<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor. See <a href="#">Sensor</a> in DCIM Work in Progress
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line2ToNeutral { }</b>	object (excerpt)		The energy sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only	The present value for this Sensor.

		(null)	Redfish DCIM Work in Progress
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line3ToLine1 { }</b>	object (excerpt)		The Energy sensor for this outlet group. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Line3ToNeutral { }</b>	object (excerpt)		The energy sensor for this outlet group. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only	The peak reading value for this sensor.

		(null)	Redfish DCIM Work in Progress
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>PolyPhasePowerSensors (v0.9+) { }</b>	object	(null)	The power sensors for this outlet group.
<b>Line1ToLine2 { }</b>	object (excerpt)		The power sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.

<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line1ToNeutral { }</b>	object (excerpt)		The Power sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line2ToLine3 { }</b>	object (excerpt)		The Power sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible

			values of this property.	Redfish DCIM Work in Progress
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.	
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.	
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.	
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.	
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.	
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.	
<b>Line2ToNeutral { }</b>	object (excerpt)		The Power sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.	
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.	
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.	
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.	
<b>Name</b>	string	read-only required	The name of the resource or array element.	
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.	
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.	
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.	
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.	
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.	
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.	
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.	
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.	
<b>Line3ToLine1 { }</b>	object (excerpt)		The Power sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.	

Redfish DCIM Work in Progress			
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line3ToNeutral { }</b>	object (excerpt)		The Power sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.

<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor. Redfish DCIM Work in Progress
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>PolyPhaseVoltageSensors (v0.9+) { }</b>	object	(null)	The voltage sensors for this outlet group.
<b>Line1ToLine2 { }</b>	object (excerpt)		The voltage sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line1ToNeutral { }</b>	object (excerpt)		The voltage sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies.



			See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line2ToLine3 { }</b>	object (excerpt)		The voltage sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line2ToNeutral { }</b>	object (excerpt)		The voltage sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.



<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line3ToLine1 { }</b>	object (excerpt)		The voltage sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Line3ToNeutral { }</b>	object (excerpt)		The voltage sensor for this outlet group. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b> redfish.dmtf.org	object		This property describes the status and health of the resource and its children.

<b>}</b>			children. Redfish DCIM Work in Progress See the <a href="#">Resource</a> schema for details on this property.
<b>PowerEnabled</b> (v0.9+)	boolean	read-only (null)	Indicates if the outlet group can be powered.
<b>PowerOffDelaySeconds</b> (v0.9+)	number	read-write (null)	The number of seconds to delay power off after a PowerControl request. Zero seconds indicates no delay to power off.
<b>PowerOnDelaySeconds</b> (v0.9+)	number	read-write (null)	The number of seconds to delay power up after a power cycle or a PowerControl request. Zero seconds indicates no delay to power up.
<b>PowerSensor</b> (v0.9+) {	object (excerpt)		The power sensor for this outlet group. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status</b> { }	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>PowerState</b>	string (enum)	read-only (null)	The power state of the outlet group. <i>See <a href="#">PowerState</a> in Property Details, below, for the possible values of this property.</i>
<b>Status</b> (v0.9+) { }	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>VoltageSensor</b> (v0.9+) {	object (excerpt)		The voltage sensor for this single phase circuit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.

<b>Name</b>	string	read-only required	Redfish DCIM Work in Progress The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.

## Actions

### PowerControl

This action is used to turn the OutletGroup on or off.

#### URIs:

/redfish/v1/PowerEquipment/RackPDUs/{[PowerDistributionId](#)}/OutletGroups/{[OutletGroupId](#)}/Actions/OutletGroup.PowerControl

The following table shows the parameters for the action which are included in the POST body to the URI shown in the "target" property of the Action.

{			
<b>PowerState</b>	string (enum)	read-write	The desired power state of the OutletGroup. See <a href="#">PowerState</a> in Property Details, below, for the possible values of this property.
}			

### ResetStatistics

This action is used to reset statistics related to this outlet group.

#### URIs:

/redfish/v1/PowerEquipment/RackPDUs/{[PowerDistributionId](#)}/OutletGroups/{[OutletGroupId](#)}/Actions/OutletGroup.ResetStatistics

(This action takes no parameters.)

## Property Details

### PhysicalContext:

Describes the area or device to which this sensor measurement applies.

string	Description
Accelerator	An Accelerator.
ACInput	An AC Input.
ACMaintenanceBypassInput	An AC Maintenance Bypass Input.
ACOutput	An AC Output.
ACStaticBypassInput	An AC Static Bypass Input.
ACUtilityInput	An AC Utility Input.

ASIC	An ASIC device, such as networking chip or a chipset component.	Redfish CIM Work in Progress
Back	The back of the chassis.	
Backplane	A backplane within the chassis.	
Chassis	The entire chassis.	
ComputeBay	Within a compute bay.	
CoolingSubsystem	The entire cooling (air and liquid) subsystem.	
CPU	A Processor (CPU).	
CPUSubsystem	The entire Processor (CPU) subsystem.	
DCBus	A DC Bus.	
Exhaust	The air exhaust point(s) or region of the chassis.	
ExpansionBay	Within an expansion bay.	
Fan	A fan.	
FPGA	A Field Programmable Gate Array (FPGA).	
Front	The front of the chassis.	
GPU	A Graphics Processor (GPU).	
GPUSubsystem	The entire Graphics Processor (GPU) subsystem.	
Intake	The air intake point(s) or region of the chassis.	
LiquidInlet	The liquid inlet point of the chassis.	
LiquidOutlet	The liquid outlet point of the chassis.	
Lower	The lower portion of the chassis.	
Memory	A memory device.	
MemorySubsystem	The entire Memory subsystem.	
Motor	A motor.	
NetworkBay	Within a networking bay.	
NetworkingDevice	A networking device.	
PowerSupply	A power supply.	
PowerSupplyBay	Within a power supply bay.	
Room	The room.	
StorageBay	Within a storage bay.	
StorageDevice	A storage device.	
SystemBoard	The system board (PCB).	
Transformer	A Transformer.	
Upper	The upper portion of the chassis.	
VoltageRegulator	A voltage regulator device.	

#### PhysicalSubContext:

Describes the usage or location within a device to which this sensor measurement applies.

string	Description
--------	-------------

Input	The input.
Output	The output.

**PowerState:**

The power state of the outlet group.

string	Description
Off	The state is powered Off.
On	The state is powered On.
PoweringOff	A temporary state between On and Off.
PoweringOn	A temporary state between Off and On.

**Example Response**

```
{
  "@odata.type": "#OutletGroup.v0_9_0.OutletGroup",
  "Id": "Rack5Storage",
  "Name": "Outlet Group Rack5Storage",
  "Status": {
    "Health": "OK",
    "State": "Enabled"
  },
  "CreatedBy": "Bob",
  "PowerOnDelaySeconds": 4,
  "PowerOffDelaySeconds": 0,
  "PowerState": "On",
  "PowerEnabled": true,
  "Outlets": [
    {
      "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Outlets/A1"
    },
    {
      "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Outlets/A2"
    },
    {
      "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Outlets/A3"
    }
  ],
  "VoltageSensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/GroupVoltage1",
    "Name": "Rack5Storage Voltage",
    "Reading": 120,
    "ReadingUnits": "V"
  },
  "CurrentSensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/GroupCurrentA",
    "Name": "Rack5Storage Current",
    "Reading": 3.4,
    "ReadingUnits": "A"
  },
  "PowerSensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/GroupPowerA",
    "Name": "Rack5Storage Power",
    "Reading": 412.36,
    "ReadingUnits": "W"
  },
  "FrequencySensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/GroupFrequencyA",
    "Name": "Rack5Storage Frequency",
    "Reading": 60.0,
    "ReadingUnits": "Hz"
  },
  "EnergySensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/GroupEnergyA",
    "Name": "Rack5Storage Energy",
    "Reading": 26880,
    "ReadingUnits": "W"
  },
  "Actions": {
    "#Circuit.PowerControl": {
      "target": "/redfish/v1/PowerEquipment/RackPDUs/1/OutletGroups/Rack5Storage/OutletGroup.PowerControl"
    },
    "#Outlet.ResetStatistics": {
      "target": "/redfish/v1/PowerEquipment/RackPDUs/1/OutletGroups/Rack5Storage/OutletGroup.ResetStatistics"
    }
  },
  "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/OutletGroups/Rack5Storage"
}
```

**PowerDistribution 0.9.0**

This is the schema definition for a Rack Power Distribution Unit - PowerDistribution.

#### URIs:

/redfish/v1/PowerEquipment/FloorPDUs/{[PowerDistributionId](#)}

/redfish/v1/PowerEquipment/RackPDUs/{[PowerDistributionId](#)}

/redfish/v1/PowerEquipment/TransferSwitches/{[PowerDistributionId](#)}

<b>Actions</b> (v0.9+) { }	object		The available actions for this resource.
<b>Alarms</b> (v0.9+) { }	object		Contains the navigation pointer to the equipment Alarm collection. <i>Contains a link to a resource.</i>
<b>@odata.id</b> }	string	read-only	<i>Link to Collection of <a href="#">Alarm</a>. See the Alarm schema for details.</i>
<b>AssetTag</b> (v0.9+)	string	read-only (null)	The actual Asset Tag of this equipment.
<b>Branches</b> (v0.9+) { }	object		This is the definition for Branch Circuits. <i>Contains a link to a resource.</i>
<b>@odata.id</b> }	string	read-only	<i>Link to Collection of <a href="#">Circuit</a>. See the Circuit schema for details.</i>
<b>CircuitSummary</b> (v0.9+) { }	object	(null)	Contains summary information about the circuits of this PDU.
<b>ControlledOutlets</b>	integer	read-only (null)	The number of controlled Outlets included in this equipment.
<b>MonitoredBranches</b>	integer	read-only (null)	The number of monitored Branches supported by this equipment.
<b>MonitoredOutlets</b>	integer	read-only (null)	The number of monitored Outlets included in this equipment.
<b>MonitoredPhases</b>	integer	read-only (null)	The number of monitored Phases supported by this equipment.
<b>TotalBranches</b>	integer	read-only (null)	The maximum number of Branch Circuits supported by the equipment.
<b>TotalOutlets</b>	integer	read-only (null)	The total number of Outlets included in this equipment.
<b>TotalPhases</b> }	integer	read-only (null)	The maximum number of Phases of PowerDistribution.
<b>DateOfManufacture</b> (v0.9+)	string	read-only (null)	The date of manufacture of this equipment.
<b>EquipmentType</b> (v0.9+)	string (enum)	read-only required	The type of equipment this resource represents. <i>See <a href="#">EquipmentType</a> in Property Details, below, for the possible values of this property.</i>
<b>Feeders</b> (v0.9+) { }	object		This is the definition for Feeder Circuits. <i>Contains a link to a resource.</i>
<b>@odata.id</b> }	string	read-only	<i>Link to Collection of <a href="#">Circuit</a>. See the Circuit schema for details.</i>
<b>FirmwareVersion</b> (v0.9+)	string	read-only (null)	The Firmware Version of this equipment.
<b>HardwareRevision</b> (v0.9+)	string	read-only (null)	The actual Hardware Revision of this equipment.
<b>Location</b> { }	object	(null)	The actual Physical Location of this equipment.

			See the <a href="#">Resource</a> schema for details on this property. <b>Redfish CIM Work in Progress</b>
<b>Mains</b> (v0.9+) {	object		Link to the power input circuits for this unit. Contains a link to a resource.
@odata.id }	string	read-only	Link to Collection of <a href="#">Circuit</a> . See the <i>Circuit</i> schema for details.
<b>Manufacturer</b> (v0.9+)	string	read-only (null)	The manufacturer of this equipment.
<b>Metrics</b> (v0.9+) {	object		Link to the summary metrics for this unit. See the <a href="#">PowerDistributionMetrics</a> schema for details on this property.
@odata.id }	string	read-only	Link to a <i>PowerDistributionMetrics</i> resource. See the <i>Links</i> section and the <a href="#">PowerDistributionMetrics</a> schema for details.
<b>Model</b> (v0.9+)	string	read-only (null)	The Model Number of this equipment.
<b>OutletGroups</b> (v0.9+) {	object		This is the definition for Outlet Groups. Contains a link to a resource.
@odata.id }	string	read-only	Link to Collection of <a href="#">OutletGroup</a> . See the <i>OutletGroup</i> schema for details.
<b>Outlets</b> (v0.9+) {	object		This is the definition for Outlets. Contains a link to a resource.
@odata.id }	string	read-only	Link to Collection of <a href="#">Outlet</a> . See the <i>Outlet</i> schema for details.
<b>PartNumber</b> (v0.9+)	string	read-only (null)	The actual Part Number of this equipment.
<b>Sensors</b> (v0.9+) {	object		The navigation pointer to the collection of sensors located in the equipment and sub-components. Contains a link to a resource.
@odata.id }	string	read-only	Link to Collection of <a href="#">Sensor</a> . See the <i>Sensor</i> schema for details.
<b>SerialNumber</b> (v0.9+)	string	read-only (null)	The actual Serial Number of this equipment.
<b>Status</b> (v0.9+) { }	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Subfeeds</b> (v0.9+) {	object		This is the definition for Subfeed Circuits. Contains a link to a resource.
@odata.id }	string	read-only	Link to Collection of <a href="#">Circuit</a> . See the <i>Circuit</i> schema for details.
<b>TriggeredAlarms</b> (v0.9+) [ {	array		Contains the array of 0 or more triggered alarms.
@odata.id } ]	string	read-only	Link to a <i>Alarm</i> resource. See the <i>Links</i> section and the <a href="#">Alarm</a> schema for details.
<b>UUID</b>	string	read-only (null)	The Universal Unique Identifier (UUID) for this this equipment.

## Property Details

### EquipmentType:

The type of equipment this resource represents.

string	Description
AutomaticTransferSwitch	An automatic power transfer switch.

FloorPDU	A power distribution unit providing feeder circuits for further Power Distribution Work.
ManualTransferSwitch	A manual power transfer switch.
RackPDU	A power distribution unit providing outlets for a rack or similar quantity of devices.

## Example Response

```
{
  "@odata.type": "#PowerDistribution.v0_9_0.PowerDistribution",
  "Id": "1",
  "EquipmentType": "RackPDU",
  "Name": "RackPDU1",
  "FirmwareVersion": "4.3.0",
  "HardwareRevision": "1.03b",
  "DateOfManufacture": "2017-01-11T08:00:00Z",
  "Manufacturer": "Contoso",
  "Model": "ZAP4000",
  "SerialNumber": "29347ZT536",
  "PartNumber": "AA-23",
  "UUID": "32354641-4135-4332-4a35-313735303734",
  "AssetTag": "PDX-92381",
  "Status": {
    "State": "Enabled",
    "Health": "OK"
  },
  "Location": {
    "Longitude": 45.52,
    "Latitude": 122.67,
    "PostalAddress": {
      "Country": "US",
      "Territory": "OR",
      "City": "Portland",
      "Street": "1001 SW 5th Avenue",
      "Name": "DMTF Headquarters",
      "PostalCode": "97204",
      "Building": "3A",
      "Floor": "2",
      "Room": "213"
    },
    "Placement": {
      "Row": "North"
    }
  },
  "CircuitSummary": {
    "TotalOutlets": 16,
    "MonitoredOutlets": 12,
    "ControlledOutlets": 8,
    "TotalPhases": 3,
    "MonitoredPhases": 3,
    "TotalBranches": 4,
    "MonitoredBranches": 4
  },
  "TriggeredAlarms": [{
    "@odata.type": "#Alarm.v0_8_0.Alarm",
    "Id": "Overload",
    "Name": "PDU Unit Overload",
    "AlarmState": "Triggered",
    "Acknowledged": false,
    "Severity": "Critical",
    "TriggerTime": "2018-08-07T14:44:00Z",
    "AutomaticReArm": true,
    "Message": "Rack PDU Overload Condition",
    "MessageId": "DCIM.0.1.0.Overload",
    "MessageArgs": [
      "58703"
    ],
    "Links": {
      "RelatedSensor": {
        "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/ACMainPower"
      },
      "Oem": {}
    },
    "Oem": {},
    "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Alarms/Overload"
  }],
  "Mains": {
    "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Mains"
  },
  "Branches": {
    "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Branches"
  },
  "Outlets": {
    "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Outlets"
  },
  "OutletGroups": {
    "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/OutletGroups"
  },
  "Alarms": {
    "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Alarms"
  },
  "Metrics": {
    "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Metrics"
  },
  "Sensors": {
    "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors"
  },
  "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1"
}
```



## PowerDistributionMetrics 0.9.0

v0.9
TBD

This is the schema definition for a Rack Power Distribution Unit - PowerDistributionMetrics.

### URIs:

/redfish/v1/PowerEquipment/FloorPDUs/{PowerDistributionId}/Metrics  
 /redfish/v1/PowerEquipment/RackPDUs/{PowerDistributionId}/Metrics  
 /redfish/v1/PowerEquipment/TransferSwitches/{PowerDistributionId}/Metrics

<b>Actions</b> (v0.9+) {	object		The available actions for this resource.
<b>#PowerDistributionMetrics.ResetStatistics</b> { }	object		This action is used to reset the summary statistics related to this equipment. <i>For more information, see the <a href="#">Actions</a> section below.</i>
<b>EnergySensor</b> (v0.9+) {	object (excerpt)		The energy consumption of this unit. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status</b> { }	object		This property describes the status and health of the resource and its children. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>HumiditySensors</b> (v0.9+) [ {	array (excerpt)		Contains the humidity sensors. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located</i>

			at the URI shown in <b>DataSourceUri</b> Work in Progress
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { } } }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>PowerSensor (v0.9+) {</b>	object (excerpt)		The total power reading for this equipment. This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only	Units in which the reading and thresholds are

		(null)	measured. Redfish DCIM Work in Progress
<b>Status { }</b> }	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>TemperatureSensors (v0.9+) [ {</b>	array (excerpt)		Contains the array of 1 or more temperature sensors. <i>This object is an excerpt of the <a href="#">Sensor</a> resource located at the URI shown in DataSourceUri.</i>
<b>DataSourceUri</b>	string	read-only (null)	A link to the resource that provides the data for this object.
<b>Name</b>	string	read-only required	The name of the resource or array element.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>Status { }</b> }]	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.

## Actions

### ResetStatistics

This action is used to reset the summary statistics related to this equipment.

#### URIs:

/redfish/v1/PowerEquipment/FloorPDUs/{[PowerDistributionId](#)}/Metrics/Actions/PowerDistributionMetrics.ResetStatistics

/redfish/v1/PowerEquipment/RackPDUs/{[PowerDistributionId](#)}/Metrics/Actions/PowerDistributionMetrics.ResetStatistics

/redfish/v1/PowerEquipment/TransferSwitches/{[PowerDistributionId](#)}/Metrics/Actions/PowerDistributionMetrics.ResetStatistics

(This action takes no parameters.)

## Property Details

### PhysicalContext:

Describes the area or device to which this sensor measurement applies.

string	Description
Accelerator	An Accelerator.
ACInput	An AC Input.
ACMaintenanceBypassInput	An AC Maintenance Bypass Input.
ACOutput	An AC Output.
ACStaticBypassInput	An AC Static Bypass Input.
ACUtilityInput	An AC Utility Input.

ASIC	An ASIC device, such as networking chip or a chipset component.	Redfish CIM Work in Progress
Back	The back of the chassis.	
Backplane	A backplane within the chassis.	
Chassis	The entire chassis.	
ComputeBay	Within a compute bay.	
CoolingSubsystem	The entire cooling (air and liquid) subsystem.	
CPU	A Processor (CPU).	
CPUSubsystem	The entire Processor (CPU) subsystem.	
DCBus	A DC Bus.	
Exhaust	The air exhaust point(s) or region of the chassis.	
ExpansionBay	Within an expansion bay.	
Fan	A fan.	
FPGA	A Field Programmable Gate Array (FPGA).	
Front	The front of the chassis.	
GPU	A Graphics Processor (GPU).	
GPUSubsystem	The entire Graphics Processor (GPU) subsystem.	
Intake	The air intake point(s) or region of the chassis.	
LiquidInlet	The liquid inlet point of the chassis.	
LiquidOutlet	The liquid outlet point of the chassis.	
Lower	The lower portion of the chassis.	
Memory	A memory device.	
MemorySubsystem	The entire Memory subsystem.	
Motor	A motor.	
NetworkBay	Within a networking bay.	
NetworkingDevice	A networking device.	
PowerSupply	A power supply.	
PowerSupplyBay	Within a power supply bay.	
Room	The room.	
StorageBay	Within a storage bay.	
StorageDevice	A storage device.	
SystemBoard	The system board (PCB).	
Transformer	A Transformer.	
Upper	The upper portion of the chassis.	
VoltageRegulator	A voltage regulator device.	

#### PhysicalSubContext:

Describes the usage or location within a device to which this sensor measurement applies.

string	Description
--------	-------------

Input	The input.
Output	The output.

## Example Response

```
{
  "@odata.type": "#PowerDistributionMetrics.v0_9_0.PowerDistributionMetrics",
  "Id": "Metrics",
  "Name": "Summary Metrics",
  "TemperatureSensors": [ {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/CabTemp",
    "Name": "Cabinet Temperature Sensor",
    "Status": {
      "Health": "OK"
    },
    "Reading": 12,
    "ReadingUnits": "C",
    "PhysicalContext": "Cabinet"
  } ],
  "HumiditySensors": [ {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/Humidity",
    "Name": "Cabinet Humidity Sensor",
    "Status": {
      "Health": "OK"
    },
    "Reading": 12,
    "ReadingUnits": "%",
    "PhysicalContext": "Cabinet"
  } ],
  "PowerSensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/PDUPower",
    "Reading": 6438,
    "ReadingUnits": "W",
    "ApparentVA": 6300,
    "ReactiveVAR": 100,
    "PowerFactor": 0.93,
    "LoadPercent": 62
  },
  "EnergySensor": {
    "DataSourceUri": "/redfish/v1/PowerEquipment/RackPDUs/1/Sensors/PDUEnergy",
    "Reading": 56438,
    "ReadingUnits": "kW.h"
  },
  "Actions": {
    "#PowerDistributionMetrics.ResetStatistics": {
      "target": "/redfish/v1/PowerEquipment/RackPDUs/1/Metrics/PowerDistributionMetrics.ResetStatistics"
    }
  },
  "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1/Metrics"
}
```

## PowerDomain 0.9.0

v0.9
TBD

This is the schema definition for the DCIM Power domain.

### URIs:

/redfish/v1/Facilities/{[FacilityId](#)}/PowerDomains/{[PowerDomainId](#)}

<b>Actions</b> (v0.9+) { }	object		The available actions for this resource.
<b>FloorPDUs</b> (v0.9+) [ { }	array		An array of references to the Power Distribution Units in this power domain.
<b>@odata.id</b> }]	string	read-only	Link to a <a href="#">PowerDistribution</a> resource. See the <a href="#">Links</a> section and the <a href="#">PowerDistribution</a> schema for details.
<b>Links</b> (v0.9+) { }	object		Contains references to other resources that are related to this resource.
<b>ManagedBy</b> [ { }	array		An array of references to the Managers responsible for managing this power zone.
}]		read-write	
<b>Oem</b> { }	object		See the OEM object definition in the <a href="#">Common properties</a> section. See the <a href="#">Resource</a> schema for details on this property.

<b>RelatedSystems</b> [ {  } ]	array		An array of references to the Systems associated with this Domain.
		read-write	
<b>RackPDUs</b> (v0.9+) [ {  } ]	array		An array of references to the Rack-level Power Distribution Units in this power domain.
<b>@odata.id</b> [ { } ]	string	read-only	Link to a <i>PowerDistribution</i> resource. See the <i>Links</i> section and the <a href="#">PowerDistribution</a> schema for details.
<b>Status</b> (v0.9+) { }	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>TransferSwitches</b> (v0.9+) [ {  } ]	array		An array of references to the Transfer Switches in this power domain.
<b>@odata.id</b> [ { } ]	string	read-only	Link to a <i>PowerDistribution</i> resource. See the <i>Links</i> section and the <a href="#">PowerDistribution</a> schema for details.
<b>TriggeredAlarms</b> (v0.9+) [ {  } ]	array		Contains the array of 0 or more triggered alarms.
<b>@odata.id</b> [ { } ]	string	read-only	Link to a <i>Alarm</i> resource. See the <i>Links</i> section and the <a href="#">Alarm</a> schema for details.

## Example Response

```
{
  "@odata.type": "#PowerDomain.v0_9_0.PowerDomain",
  "Id": "Row1",
  "Name": "Row #1 Domain",
  "Status": {
    "State": "Enabled",
    "Health": "OK"
  },
  "RackPDUs": [ {
    "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs/1"
  } ],
  "Links": {
    "ManagedBy": [
      {
        "@odata.id": "/redfish/v1/Managers/BMC"
      }
    ],
    "RelatedSystems": [ ]
  },
  "@odata.id": "/redfish/v1/Facilities/DCIMRoom/PowerDomains/Row1"
}
```

## PowerEquipment 0.9.0

v0.9
TBD

This is the schema definition for the set of Power Equipment.

### URIs:

/redfish/v1/PowerEquipment

<b>Actions</b> (v0.9+) { }	object		The available actions for this resource.
<b>Alarms</b> (v0.9+) { }	object		Contains the navigation pointer to the equipment Alarm collection. <i>Contains a link to a resource.</i>
<b>@odata.id</b> { }	string	read-only	Link to Collection of <a href="#">Alarm</a> . See the <i>Alarm</i> schema for details.
<b>FloorPDUs</b> (v0.9+) { }	object		This is the definition for a Floor PDU collection. <i>Contains a link to a resource.</i>
<b>@odata.id</b> { }	string	read-only	Link to Collection of <a href="#">PowerDistribution</a> . See the <i>PowerDistribution</i> schema for details.
<b>Generators</b> (v0.9+) { }		read-only	This is the definition for a Generator collection.

<b>Links</b> (v0.9+) {	object		Contains references to other resources that are related to this resource.
<b>Chassis</b> [ {	array		An array of references to the chassis associated with this equipment.
}]		read-write	
<b>ManagedBy</b> [ {	array		An array of references to the Managers responsible for managing this equipment.
}]		read-write	
<b>Oem</b> { }	object		See the OEM object definition in the <a href="#">Common properties</a> section. See the <a href="#">Resource</a> schema for details on this property.
<b>PowerMeters</b> (v0.9+)		read-only	This is the definition for a PowerMeter collection.
<b>RackPDUs</b> (v0.9+) {	object		This is the definition for a RackPDU collection. Contains a link to a resource.
<b>@odata.id</b> }	string	read-only	Link to Collection of <a href="#">PowerDistribution</a> . See the PowerDistribution schema for details.
<b>Rectifiers</b> (v0.9+)		read-only	This is the definition for a Rectifier collection.
<b>Sensors</b> (v0.9+) {	object		The navigation pointer to the collection of sensors located in the equipment and sub-components. Contains a link to a resource.
<b>@odata.id</b> }	string	read-only	Link to Collection of <a href="#">Sensor</a> . See the Sensor schema for details.
<b>Status</b> (v0.9+) { }	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Switchgear</b> (v0.9+) {	object		This is the definition for a Switchgear collection. Contains a link to a resource.
<b>@odata.id</b> }	string	read-only	Link to Collection of <a href="#">PowerDistribution</a> . See the PowerDistribution schema for details.
<b>TransferSwitches</b> (v0.9+) {	object		This is the definition for a TransferSwitch collection. Contains a link to a resource.
<b>@odata.id</b> }	string	read-only	Link to Collection of <a href="#">PowerDistribution</a> . See the PowerDistribution schema for details.
<b>Transformer</b> (v0.9+)		read-only	This is the definition for a Transformer collection.
<b>TriggeredAlarms</b> (v0.9+) [ {	array		Contains the array of 0 or more triggered alarms.
<b>@odata.id</b> } ]	string	read-only	Link to a Alarm resource. See the Links section and the <a href="#">Alarm</a> schema for details.
<b>UPSs</b> (v0.9+)		read-only	This is the definition for a UPS collection.
<b>VFDs</b> (v0.9+)		read-only	This is the definition for a VFD collection.

## Example Response

```
{
  "@odata.type": "#PowerEquipment.v0_9_0.PowerEquipment",
  "Id": "EnergyEquipment",
  "Name": "DCIM Energy Equipment",
  "Status": {
    "State": "Enabled",
    "HealthRollup": "OK"
  },
  "FloorPDUs": {
    "@odata.id": "/redfish/v1/PowerEquipment/FloorPDUs"
  },
  "RackPDUs": {
    "@odata.id": "/redfish/v1/PowerEquipment/RackPDUs"
  },
  "TransferSwitches": {
    "@odata.id": "/redfish/v1/PowerEquipment/TransferSwitches"
  },
}
```

```

"UPSs": {
  "@odata.id": "/redfish/v1/PowerEquipment/UPSs"
},
"Links": { },
"@odata.id": "/redfish/v1/PowerEquipment"
}

```

## Sensor 1.0.1

v1.0

2018.3

This schema defines a Sensor to be used in conjunction with data center equipment.

### URIs:

/redfish/v1/Chassis/{ChassisId}/Sensors/{[SensorId](#)}

<b>Accuracy</b>	number	read-only (null)	Estimated percent error of measured vs. actual values.
<b>Actions {</b>	object		The available actions for this resource.
<b>#Sensor.ResetStatistics { }</b>	object		This action is used to reset statistics related to this sensor. <i>For more information, see the <a href="#">Actions</a> section below.</i>
<b>AdjustedMaxAllowableOperatingValue</b>	number	read-only (null)	Adjusted maximum allowable operating value for this equipment based on the current environmental conditions present.
<b>AdjustedMinAllowableOperatingValue</b>	number	read-only (null)	Adjusted minimum allowable operating value for this equipment based on the current environmental conditions present.
<b>ApparentVA</b>	number	read-only (null)	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
<b>ElectricalContext</b>	string (enum)	read-only (null)	The combination of current-carrying conductors. <i>See <a href="#">ElectricalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>LoadPercent</b>	number	read-only (null)	The power load utilization for this Sensor.
<b>Location { }</b>	object		The location information for this Sensor. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>MaxAllowableOperatingValue</b>	number	read-only (null)	Maximum allowable operating value for this equipment.
<b>MinAllowableOperatingValue</b>	number	read-only (null)	Minimum allowable operating value for this equipment.
<b>PeakReading</b>	number	read-only (null)	The peak reading value for this sensor.
<b>PeakReadingTime</b>	string	read-only (null)	The time at which the Peak Reading value occurred.
<b>PhysicalContext</b>	string (enum)	read-only (null)	Describes the area or device to which this sensor measurement applies. <i>See <a href="#">PhysicalContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PhysicalSubContext</b>	string (enum)	read-only (null)	Describes the usage or location within a device to which this sensor measurement applies. <i>See <a href="#">PhysicalSubContext</a> in Property Details, below, for the possible values of this property.</i>
<b>PowerFactor</b>	number	read-only (null)	The power factor for this Sensor.



<b>Precision</b>	number	read-only (null)	Number of significant digits in the Reading. <b>Reading</b> IM Work in Progress
<b>ReactiveVAR</b>	number	read-only (null)	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
<b>Reading</b>	number	read-only (null)	The present value for this Sensor.
<b>ReadingRangeMax</b>	number	read-only (null)	The maximum value of Reading possible for this Sensor.
<b>ReadingRangeMin</b>	number	read-only (null)	The minimum value of Reading possible for this Sensor.
<b>ReadingType</b>	string (enum)	read-only (null)	The kind of sensor being represented. See <a href="#">ReadingType</a> in Property Details, below, for the possible values of this property.
<b>ReadingUnits</b>	string	read-only (null)	Units in which the reading and thresholds are measured.
<b>SensingFrequency</b>	number	read-only (null)	The time interval between readings of the physical sensor.
<b>SensorResetTime</b>	string	read-only (null)	The time at which the time-based properties were last reset.
<b>Status { }</b>	object		This property describes the status and health of the resource and its children. See the <a href="#">Resource</a> schema for details on this property.
<b>Thresholds { }</b>	object		The set of thresholds defined for this sensor.
<b>LowerCaution { }</b>	object		Below normal range.
<b>Activation</b>	string (enum)	read-write (null)	The direction of crossing that activates this threshold. See <a href="#">Activation</a> in Property Details, below, for the possible values of this property.
<b>DwellTime</b>	string	read-write (null)	The time interval over which the sensor reading must have passed through this Threshold value before the threshold is considered to be violated.
<b>Reading }</b>	number	read-write (null)	The threshold value.
<b>LowerCritical { }</b>	object		Below normal range but not yet fatal.
<b>Activation</b>	string (enum)	read-write (null)	The direction of crossing that activates this threshold. See <a href="#">Activation</a> in Property Details, below, for the possible values of this property.
<b>DwellTime</b>	string	read-write (null)	The time interval over which the sensor reading must have passed through this Threshold value before the threshold is considered to be violated.
<b>Reading }</b>	number	read-write (null)	The threshold value.
<b>LowerFatal { }</b>	object		Below normal range and fatal.
<b>Activation</b>	string (enum)	read-write (null)	The direction of crossing that activates this threshold. See <a href="#">Activation</a> in Property Details, below, for the possible values of this property.
<b>DwellTime</b>	string	read-write (null)	The time interval over which the sensor reading must have passed through this Threshold value before the threshold is considered to be violated.
<b>Reading</b>	number	read-write	The threshold value.

}		(null)	Redfish DCIM Work in Progress
<b>UpperCaution {</b>	object		Above normal range.
<b>Activation</b>	string (enum)	read-write (null)	The direction of crossing that activates this threshold. See <a href="#">Activation</a> in Property Details, below, for the possible values of this property.
<b>DwellTime</b>	string	read-write (null)	The time interval over which the sensor reading must have passed through this Threshold value before the threshold is considered to be violated.
<b>Reading</b> }	number	read-write (null)	The threshold value.
<b>UpperCritical {</b>	object		Above normal range but not yet fatal.
<b>Activation</b>	string (enum)	read-write (null)	The direction of crossing that activates this threshold. See <a href="#">Activation</a> in Property Details, below, for the possible values of this property.
<b>DwellTime</b>	string	read-write (null)	The time interval over which the sensor reading must have passed through this Threshold value before the threshold is considered to be violated.
<b>Reading</b> }	number	read-write (null)	The threshold value.
<b>UpperFatal {</b>	object		Above normal range and fatal.
<b>Activation</b>	string (enum)	read-write (null)	The direction of crossing that activates this threshold. See <a href="#">Activation</a> in Property Details, below, for the possible values of this property.
<b>DwellTime</b>	string	read-write (null)	The time interval over which the sensor reading must have passed through this Threshold value before the threshold is considered to be violated.
<b>Reading</b> }	number	read-write (null)	The threshold value.
<b>VoltageType</b>	string (enum)	read-only (null)	The voltage type (AC or DC) for this sensor. See <a href="#">VoltageType</a> in Property Details, below, for the possible values of this property.

## Actions

### ResetStatistics

This action is used to reset statistics related to this sensor.

#### URIs:

/redfish/v1/Chassis/{ChassisId}/Sensors/{[SensorId](#)}/Actions/Sensor.ResetStatistics

(This action takes no parameters.)

## Property Details

### Activation:

The direction of crossing that activates this threshold.

string	Description
Decreasing	Value decreases below the threshold.
Either	Value crosses the threshold in either direction.
Increasing	Value increases above the threshold.

### ElectricalContext:

string	Description
Line1	The circuits sharing L1 current-carrying conductor.
Line1ToLine2	The circuit formed by L1 and L2 current-carrying conductors when PhaseWiringType.TwoPhase3Wire, TwoPhase4Wire, ThreePhase4Wire, or ThreePhase5Wire.
Line1ToNeutral	The circuit formed by L1 and Neutral current-carrying conductors when PhaseWiringType.OnePhase3Wire, TwoPhase4Wire, ThreePhase4Wire, or ThreePhase5Wire.
Line1ToNeutralAndL1L2	The circuits formed by L1, L2, and Neutral current-carrying conductors when PhaseWiringType.TwoPhase4Wire or ThreePhase5Wire.
Line2	The circuits sharing L2 current-carrying conductor when PhaseWiringType.ThreePhase4Wire, TwoPhase4Wire, or ThreePhase5Wire.
Line2ToLine3	The circuit formed by L2 and L3 current-carrying conductors when PhaseWiringType.ThreePhase4Wire or ThreePhase5Wire.
Line2ToNeutral	The circuit formed by L2 and Neutral current-carrying conductors when PhaseWiringType.TwoPhase4Wire or ThreePhase5Wire.
Line2ToNeutralAndL1L2	The circuits formed by L1, L2, and Neutral current-carrying conductors when PhaseWiringType.TwoPhase4Wire or ThreePhase5Wire.
Line2ToNeutralAndL2L3	The circuits formed by L2, L3, and Neutral current-carrying conductors when PhaseWiringType.ThreePhase5Wire.
Line3	The circuits sharing L3 current-carrying conductor when PhaseWiringType.ThreePhase4Wire or ThreePhase5Wire.
Line3ToLine1	The circuit formed by L3 and L1 current-carrying conductors when PhaseWiringType.ThreePhase4Wire or ThreePhase5Wire.
Line3ToNeutral	The circuit formed by L3 and Neutral current-carrying conductors when PhaseWiringType.ThreePhase5Wire.
Line3ToNeutralAndL3L1	The circuits formed by L3, L1, and Neutral current-carrying conductors when PhaseWiringType.ThreePhase5Wire.
LineToLine	The circuit formed by two current-carrying conductors when PhaseWiringType.TwoPhase3Wire, TwoPhase4Wire, ThreePhase4Wire, or ThreePhase5Wire.
LineToNeutral	The circuit formed by a line and Neutral current-carrying conductor when PhaseWiringType.OnePhase3Wire, TwoPhase4Wire, ThreePhase4Wire, or ThreePhase5Wire.
Neutral	The grounded current-carrying return circuit of current-carrying conductors when PhaseWiringType.OnePhase3Wire, TwoPhase4Wire, or ThreePhase5Wire.
Total	The circuits formed by all current-carrying conductors for any PhaseWiringType.

**PhysicalContext:**

Describes the area or device to which this sensor measurement applies.

string	Description
Accelerator	An Accelerator.
ACInput	An AC Input.
ACMaintenanceBypassInput	An AC Maintenance Bypass Input.
ACOutput	An AC Output.
ACStaticBypassInput	An AC Static Bypass Input.
ACUtilityInput	An AC Utility Input.
ASIC	An ASIC device, such as networking chip or a chipset component.

Back	The back of the chassis.	Redfish DCIM Work in Progress
Backplane	A backplane within the chassis.	
Chassis	The entire chassis.	
ComputeBay	Within a compute bay.	
CoolingSubsystem	The entire cooling (air and liquid) subsystem.	
CPU	A Processor (CPU).	
CPUSubsystem	The entire Processor (CPU) subsystem.	
DCBus	A DC Bus.	
Exhaust	The air exhaust point(s) or region of the chassis.	
ExpansionBay	Within an expansion bay.	
Fan	A fan.	
FPGA	A Field Programmable Gate Array (FPGA).	
Front	The front of the chassis.	
GPU	A Graphics Processor (GPU).	
GPUSubsystem	The entire Graphics Processor (GPU) subsystem.	
Intake	The air intake point(s) or region of the chassis.	
LiquidInlet	The liquid inlet point of the chassis.	
LiquidOutlet	The liquid outlet point of the chassis.	
Lower	The lower portion of the chassis.	
Memory	A memory device.	
MemorySubsystem	The entire Memory subsystem.	
Motor	A motor.	
NetworkBay	Within a networking bay.	
NetworkingDevice	A networking device.	
PowerSupply	A power supply.	
PowerSupplyBay	Within a power supply bay.	
Room	The room.	
StorageBay	Within a storage bay.	
StorageDevice	A storage device.	
SystemBoard	The system board (PCB).	
Transformer	A Transformer.	
Upper	The upper portion of the chassis.	
VoltageRegulator	A voltage regulator device.	

#### PhysicalSubContext:

Describes the usage or location within a device to which this sensor measurement applies.

string	Description
Input	The input.

Output	The output.
--------	-------------

**ReadingType:**

The kind of sensor being represented.

string	Description
AirFlow	Airflow.
Altitude	Altitude.
Barometric	Barometric Pressure.
Current	Current.
EnergyJoules	Energy (Joules).
EnergykWh	Energy (kWh).
Frequency	Frequency.
Humidity	Relative Humidity.
LiquidFlow	Liquid flow.
LiquidLevel	Liquid level.
Power	Power.
Pressure	Pressure.
Rotational	Rotational.
Temperature	Temperature.
Voltage	Voltage (AC or DC).

**VoltageType:**

The voltage type (AC or DC) for this sensor.

string	Description
AC	Alternating Current.
DC	Direct Current.

**Example Response**

```
{
  "@odata.type": "#Sensor.v1_0_0.Sensor",
  "Id": "CabinetTemp",
  "Name": "Rack Temperature",
  "ReadingType": "Temperature",
  "Status": {
    "State": "Enabled",
    "Health": "OK"
  },
  "Reading": 31,
  "ReadingUnits": "C",
  "ReadingRangeMin": 0,
  "ReadingRangeMax": 70,
  "Accuracy": 0.25,
  "Precision": 1,
  "SensingFrequency": 3,
  "PhysicalContext": "Chassis",
  "Thresholds": {
    "UpperCritical": {
      "Reading": 40,
      "Activation": "Increasing"
    },
    "UpperCaution": {
      "Reading": 35,
      "Activation": "Increasing"
    },
    "LowerCaution": {
      "Reading": 10,
      "Activation": "Increasing"
    }
  },
  "Oem": {},
  "@odata.id": "/redfish/v1/Chassis/1/Sensors/CabinetTemp"
}
```

## ServiceRoot 1.6.0a

v1.6	v1.5	v1.4	v1.3	v1.2	v1.1	v1.0
TBD	2018.3	2018.2	2017.3	2017.1	2016.2	1.0

This object represents the root Redfish service.

### URIs:

/redfish/v1

/redfish/v1/

<b>AccountService</b>		read-only	This is a link to the Account Service.
<b>CertificateService</b> (v1.5+)		read-only	This is a link to the CertificateService.
<b>Chassis</b>		read-only	This is a link to a collection of Chassis.
<b>CompositionService</b> (v1.2+)		read-only	This is a link to the CompositionService.
<b>EventService</b>		read-only	This is a link to the EventService.
<b>Fabrics</b> (v1.1+)		read-only	A link to a collection of all fabric entities.
<b>Facilities</b> {	object		A link to a collection of Facility resources. <i>Contains a link to a resource.</i>
<b>@odata.id</b> }	string	read-only	Link to Collection of <a href="#">Facility</a> . See the Facility schema for details.
<b>HVAC</b> {	object		This is a link to the Power Equipment resource. <i>See the <a href="#">HVAC</a> schema for details on this property.</i>
<b>@odata.id</b> }	string	read-only	Link to a HVAC resource. See the Links section and the <a href="#">HVAC</a> schema for details.
<b>JobService</b> (v1.4+)		read-only	This is a link to the JobService.
<b>JsonSchemas</b>		read-only	This is a link to a collection of Json-Schema files.
<b>Links</b> {	object	required	Contains references to other resources that are related to this resource.
<b>Oem</b> {}	object		See the OEM object definition in the <a href="#">Common properties</a> section. <i>See the <a href="#">Resource</a> schema for details on this property.</i>
<b>Sessions</b> }		read-only required	Link to a collection of Sessions.
<b>Managers</b>		read-only	This is a link to a collection of Managers.
<b>PowerEquipment</b> {	object		This is a link to the Power Equipment resource. <i>See the <a href="#">PowerEquipment</a> schema for details on this property.</i>
<b>@odata.id</b> }	string	read-only	Link to a PowerEquipment resource. See the Links section and the <a href="#">PowerEquipment</a> schema for details.
<b>Product</b> (v1.3+)	string	read-only (null)	The product associated with this Redfish service.
<b>ProtocolFeaturesSupported</b> (v1.3+) {	object		Contains information about protocol features supported by the service.
<b>ExcerptQuery</b> (v1.4+)	boolean	read-only	This indicates whether the 'excerpt' query parameter is supported.
<b>ExpandQuery</b> {	object		Contains information about the use of \$expand in the service.

<b>ExpandAll</b>	boolean	read-only	This indicates whether the \$expand support of tilde (expand all entries) is supported.
<b>Levels</b>	boolean	read-only	This indicates whether the expand support of the \$levels qualifier is supported by the service.
<b>Links</b>	boolean	read-only	This indicates whether the \$expand support of tilde (expand only entries in the Links section) is supported.
<b>MaxLevels</b>	integer	read-only	This indicates the maximum number value of the \$levels qualifier in \$expand operations.
<b>NoLinks</b> }	boolean	read-only	This indicates whether the \$expand support of period (expand only entries not in the Links section) is supported.
<b>FilterQuery</b>	boolean	read-only	This indicates whether the \$filter query parameter is supported.
<b>OnlyMemberQuery</b> (v1.4+)	boolean	read-only	This indicates whether the 'only' query parameter is supported.
<b>SelectQuery</b> }	boolean	read-only	This indicates whether the \$select query parameter is supported.
<b>RedfishVersion</b>	string	read-only	The version of the Redfish service.
<b>Registries</b>		read-only	This is a link to a collection of Registries.
<b>ResourceBlocks</b> (v1.5+)		read-only	A link to a collection of all resource block entities. This collection is intended for implementations that do not contain a Composition Service, but will expose resources to an orchestrator that implements a Composition Service.
<b>SessionService</b>		read-only	This is a link to the Sessions Service.
<b>StorageServices</b> (v1.1+)		read-only	A link to a collection of all storage service entities.
<b>StorageSystems</b> (v1.1+)		read-only	This is a link to a collection of storage systems.
<b>Systems</b>		read-only	This is a link to a collection of Systems.
<b>Tasks</b>		read-only	This is a link to the Task Service.
<b>TelemetryService</b> (v1.4+)		read-only	This is a link to the TelemetryService.
<b>UpdateService</b> (v1.1+)		read-only	This is a link to the UpdateService.
<b>UUID</b>	string	read-only (null)	Unique identifier for a service instance. When SSDP is used, this value should be an exact match of the UUID value returned in a 200OK from an SSDP M-SEARCH request during discovery.
<b>Vendor</b> (v1.5+)	string	read-only (null)	The vendor or manufacturer associated with this Redfish service.

## Example Response

```
{
  "@odata.type": "#ServiceRoot.v1_6_0a.ServiceRoot",
  "Id": "RootService",
  "Name": "Root Service",
  "Vendor": "Contoso",
  "Product": "DCIM Site Manager 9000",
  "RedfishVersion": "1.6.0",
  "UUID": "92384634-2938-2342-8820-489239905423",
  "ProtocolFeaturesSupported": {
    "FilterQuery": false,
    "SelectQuery": false,
    "ExcerptQuery": true,
    "OnlyMemberQuery": true,
    "ExpandQuery": {
      "Links": false,
      "NoLinks": true,
      "ExpandAll": true,
      "Levels": true,
      "MaxLevels": 3
    }
  },
  "Chassis": {
    "@odata.id": "/redfish/v1/Chassis"
  },
  "Facilities": {
    "@odata.id": "/redfish/v1/Facilities"
  },
}
```

```

"PowerEquipment": {
  "@odata.id": "/redfish/v1/PowerEquipment"
},
"Managers": {
  "@odata.id": "/redfish/v1/Managers"
},
"Tasks": {
  "@odata.id": "/redfish/v1/TaskService"
},
"SessionService": {
  "@odata.id": "/redfish/v1/SessionService"
},
"AccountService": {
  "@odata.id": "/redfish/v1/AccountService"
},
"EventService": {
  "@odata.id": "/redfish/v1/EventService"
},
"Links": {
  "Sessions": {
    "@odata.id": "/redfish/v1/SessionService/Sessions"
  }
},
"Oem": {},
"@odata.id": "/redfish/v1/"
}

```

## Redfish documentation generator

This document was created using the Redfish Documentation Generator utility, which uses the contents of the Redfish schema files (in JSON schema format) to automatically generate the bulk of the text. The source code for the utility is available for download at the DMTF's Github repository located at <http://www.github.com/DMTF/Redfish-Tools>.