

# Product datasheet

Specifications



## Modicon PoE (Power over Ethernet) Managed Switch - 8 Gigabit ports for copper - extended temperature

MCSESP083F23G0T

### Main

Range of product	Modicon
Product or component type	Ethernet TCP/IP managed switch
Concept	Transparent Ready
Communication port protocol	Ethernet TCP/IP SSH HTTP HTTPS SNMP RS232 SFTP SCP LLDP Telnet SNTP
Port Ethernet	10/100/1000 BASE-TX - 8 port(s) copper cable
Maximum number of switches in cascade	Unlimited
Cybersecurity	Port hardening IP-based port security MAC-based port security Port-based access control Role-based access control RADIUS assignment HTTPS DoS prevention VLAN-based ACL Audit trail SNMP logging Pre-login banner

### Complementary

Integrated connection type	Shielded RJ45 copper (Gbit)
Transmission support medium	Twisted shielded pairs cable CAT 5E for copper (Gbit)
Maximum cable distance between devices	100 m copper (Gbit)
Ethernet service	Configuration via web server VLAN Multicast filtering Data stream control IGMP Snooping SNMP-Traps and SYSLOG
communication service	TFTP Quality of Service (QoS) Port monitoring Port mirroring Address conflict detection
Diagnostics run time	Signal contact Self test MAC notification

<b>Maximum number of switches in a ring</b>	50
<b>Redundancy</b>	HiPER ring RSTP Link aggregation Link backup Redundant network coupling MRP
<b>[Us] rated supply voltage</b>	24 V
<b>Supply voltage limits</b>	18...30 V DC SELV
<b>Power consumption in W</b>	106 W
<b>Electrical connection</b>	Removable connector 6 ways power supply
<b>mounting support</b>	35 mm symmetrical DIN rail
<b>marking</b>	CE CULus RCM
<b>Function available</b>	Security status Alarms (Traps) System information Report
<b>Local signalling</b>	1 dual colour LED (green/yellow) for P1 P2 power supplies 1 dual colour LED (green/red) for device status 1 dual colour LED (green/yellow) for memory key status 1 dual colour LED (green/yellow) for PoE power supply 1 dual colour LED (green/yellow) for channel diagnostic
<b>Alarm output</b>	1 voltfree contact 1 A
<b>Alarm function</b>	Power supply fault Data link status Switch fault Temperature threshold Redundancy ring fault Incorrect configuration External memory removed
<b>Ethernet cabling system</b>	TF switches
<b>Width</b>	122.4 mm
<b>Height</b>	144.2 mm
<b>Depth</b>	117.15 mm
<b>Net weight</b>	1.4 kg

## Environment

<b>Ambient air temperature for operation</b>	-40...70 °C
<b>Relative humidity</b>	1...95 % non-condensing
<b>IP degree of protection</b>	IP30
<b>Directives</b>	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
<b>Standards</b>	UL 61010-2-201 EN/IEC 61131-2 EN/IEC 62368-1
<b>Product certifications</b>	CE UL RCM DNV ATEX

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	22.5 cm
<b>Package 1 Width</b>	20.5 cm
<b>Package 1 Length</b>	22.5 cm
<b>Package 1 Weight</b>	1.4 kg

## **Contractual warranty**

<b>Warranty</b>	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Mercury Free

RoHS Exemption Information Yes

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu RoHS Directive Pro-active compliance (Product out of EU RoHS legal scope)

China RoHS Regulation [China RoHS declaration](#)

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)

Dimensions Drawings

Dimensions

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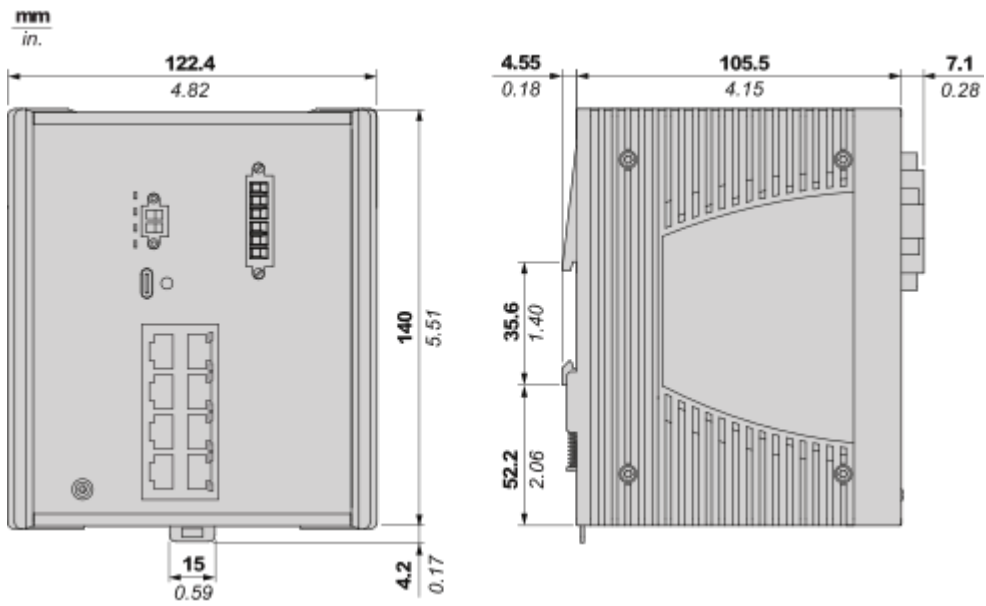


Image of product / Alternate images

Alternative

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