Product data sheet
Characteristics

MCSESR043F23F0
Redundancy Switch, Modicon Networking, 4 ports for copper



Main

Range of product	Modicon Networking
Product or component type	Ethernet TCP/IP managed switch
Communication port protocol	Ethernet TCP/IP SSH HTTP HTTPS SNMP SFTP SCP LLDP Telnet SNTP
Port Ethernet	10/100BASE-TX - 4 port(s) copper cable
Maximum number of switches in cascade	Unlimited
Cybersecurity	IP-based port security Role-based access control RADIUS assignment HTTPS DoS prevention VLAN-based ACL Audit trail SNMP logging

Complementary

Integrated connection type	Shielded RJ45 copper cable
Transmission support medium	Twisted shielded pairs cable CAT 5E for copper cable
Maximum cable distance between devices	100 M copper cable
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
Redundancy	RSTP Link aggregation Link backup MRP PRP

[Us] rated supply voltage	12...48 V 24 V
Supply voltage limits	9.6…60 V DC SELV 18…30 V AC SELV
Power consumption in W	7 W
Electrical connection	Removable connector 6 ways power supply
Mounting support	35 mm symmetrical DIN rail
Marking	CE CULus RCM
Function available	System information Alarms (Traps)
Local signalling	1 dual colour LED (green/yellow) for P1 P2 power supplies 1 dual colour LED (green/yellow) for memory key status 1 dual colour LED (green/yellow) for ring manager 1 dual colour LED (green/red) for device status 1 dual colour LED (green/yellow) for channel diagnostic
Alarm output	1 voltfree contact 1000 mA
Alarm function	Power supply fault Data link status Redundancy ring fault Switch fault Temperature threshold Incorrect configuration External memory removed
Ethernet cabling system	TF switches
Width	46 Mm
Height	130 Mm
Depth	105 Mm
Net weight	0.29 Kg

Environment

Ambient air temperature for operation	0…60 °C
Relative humidity	10…95 % non-condensing
IP degree of protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Standards	UL 61010-2-201 EN/IEC 61131-2
Product certifications	CE[RETURN]UL[RETURN]RCM[RETURN]EAC[RETURN]UKCA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.200 Cm
Package 1 Width	16.500 Cm
Package 1 Length	24.100 Cm
Package 1 Weight	425.000 G
Unit Type of Package 2	S04
Number of Units in Package 2	20
Package 2 Height	30.000 Cm
Package 2 Width	40.000 Cm
Package 2 Length	60.000 Cm
Package 2 Weight	9.421 Kg

Offer Sustainability

Recyclability potential, in %	0
Total lifecycle Carbon footprint	602 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.7406428941679641
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.04625667809726967
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.005497592227465749
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	600.1200791730823
Carbon footprint of the use phase [B2, B3, B4, B6]	600 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.5273964874458297
Carbon footprint of the end-of-life phase [C1 to C4]	0.5 kg CO2 eq.
Total lifecycle Carbon footprint	602
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised