Product data sheet
Characteristics

TCSEFEC23F3F21
firewall, Modicon Networking, industrial firewall, 2 ports for copper



Main

Range of product	Modicon Networking
Product or component type	Ethernet TCP/IP firewall
Communication port protocol	Ethernet TCP/IP SSH HTTP HTTPS SNMP SFTP SCP LLDP RS232
Port Ethernet	10/100BASE-TX - 2 port(s) copper cable
Cybersecurity	Syslog protocol support IPSec
User interface	Built-in firewall
Encryption protocol	MAC addresses filtering

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	Multicast filtering Syslog
Communication service	Port monitoring
Diagnostics run time	Signal contact Self test MAC notification
Redundancy	Redundant network coupling Router redundancy
[Us] rated supply voltage	12...48 V
Supply voltage limits	9.6…60 V DC SELV 18…30 V AC SELV
Power consumption in W	6.9 W
Electrical connection	Removable connector 6 ways power supply
Mounting support	35 mm symmetrical DIN rail
Marking	CE UL RCM

Function available	System information Report IP Firewall list Configuration check Reachability test (ping) Alarms (Traps)
Local signalling	2 LEDs (green) for P1 P2 power supplies 1 LED (red) for fault 1 dual colour LED (green/yellow) for device status 1 dual colour LED (green/yellow) for memory key status 1 dual colour LED (green/yellow) for internal port status 1 dual colour LED (green/yellow) for serial port status
Alarm output	1 voltfree contact 1 A
Alarm function	Power supply fault Data link status Switch fault Temperature threshold External memory removed
Ethernet cabling system	TF switches
Width	60 Mm
Height	145 Mm
Depth	125 Mm
Net weight	0.61 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 508 EN/IEC 61131 EN/IEC 60950
Product certifications	CE[RETURN]UL[RETURN]RCM[RETURN]UKCA[RETURN]DNV

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	21.000 Cm
Package 1 Width	22.000 Cm
Package 1 Length	22.500 Cm
Package 1 Weight	1.031 Kg
Unit Type of Package 2	S04
Number of Units in Package 2	2
Package 2 Height	30.000 Cm
Package 2 Width	40.000 Cm
Package 2 Length	60.000 Cm
Package 2 Weight	2.900 Kg

Offer Sustainability

Recyclability potential, in %	9
Total lifecycle Carbon footprint	303 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	6.444658381558657
Carbon footprint of the manufacturing phase [A1 to A3]	6 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.15132018773903544
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.028429698863940058
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	294.776757932321
Carbon footprint of the use phase [B2, B3, B4, B6]	295 kg CO2 eq.

Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	1.1249094208106103
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Total lifecycle Carbon footprint	303
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, w
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commerc. announced