Datasheet

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Product information
Compact OpenRail Gigabit Ethernet PoE switch 8-24 ports - RS32-0802T1T1SPAEHF08.0.

Industrial Ethernet:Compact configurable managed switches:with Firmware Release 8:Compact OpenRail Gigabit Ethernet PoE switch 8-24 ports	
Name	Compact OpenRail Gigabit Ethernet PoE switch 8-24 ports
	10 port Gigabit/fast Ethernet switch (2 x Gigabit Ethernet, 8 x fast Ethernet from that 4 ports PoE), managed, software Layer 2 Enhanced, for DIN rail, store-and-forward-switching, fanless design, metal housing
Delivery informations	
Availability	available
Product description	
Description	10 port Gigabit/fast Ethernet switch (2 x Gigabit Ethernet, 8 x fast Ethernet from that 4 ports PoE), managed, software Layer 2 Enhanced, for DIN rail, store-and-forward-switching, fanless design, metal housing
Port type and quantity	10 Ports in total, 2 Gigabit Ethernet ports; 1. uplink: 10/100/1000BASE-TX, RJ45; 2. uplink: 10/100/1000BASE-TX, RJ45; 8 x standard 10/100 BASE TX, RJ45 incl. 4 PoE Ports
Type	RS32-0802T1T1SPAEHF08.0.
Order No.	RS32-0802T1T1SPAEHF08.0.
More Interfaces	
Power supply/signaling contact	1 x plug-in terminal block, 6-pin
V.24 interface	1 x RJ11 socket
USB interface	1 x USB to connect the AutoConfiguration Adapter ACA21-USB
Network size - length of cable	
Twisted pair (TP)	0 m ... 100 m
Network size - cascadibility	
Line - / star topology	any
Ring structure (HIPER-Ring) quantity switches	50 (reconfiguration time < 0.3 sec.)
Power requirements	
Operating voltage	48 V DC
Current consumption at 48 V DC	165 mA
Power output in Btu (IT) h	40.6
Software	
Management	Serial interface, web interface, SNMP V1/V2, HiVision file transfer SW HTTP/TFTP
Diagnostics	LEDs, log-file, relay contact, RMON, port mirroring 1:1, topology discovery 802.1AB, address conflict detection, network error detection, SFP diagnostic [temperature, optical input and output power (µW and dBm)], Trap for configuration saving and changing, duplex mismatch detection, disable learning.
Configuration	Comand line interface (CLI), TELNET, BootP, DHCP, DHCP option 82, HIDiscovery, easy device exchange with auto-configuration adapter ACA21-USB (automatic software and/or configuration upload), automatic invalid configuration undo, configuration signature (water marking)
Security	Port Security (IP und MAC) with multiple addresses, SNMP V3 (no encryption)
Redundancy functions	HIPER-ring (ring structure), MRP (IEC-ring functionality), RSTP 802.1D-2004, redundant network/ring coupling, MRP and RSTP in parallel, redundant 24 V power supply
Filter	QoS 4 classes, port priorisation (IEEE 802.1D/p), VLAN (IEEE 802.1Q), shared VLAN learning, multicast (IGMP Snooping/Querier), multicast detection unknown multicast, broadcastlimiter, fast aging
Industrial Profiles	EtherNet/IP and PROFINET (2.2 PDEV, GSDML stand-alone generator, automatic device exchange) profiles included, configuration and diagnostic via automation software tools like e.g. STEP7, or Control Logix
Time synchronisation	SNTP client/server, PTP / IEEE 1588
Flow control	Flow control 802.3x, port priority 802.1D/p, priority (TOS/DIFFSERV)
Presettings	Standard
Ambient conditions	
Operating temperature	0 ℃ ... 60 ℃
Storage/transport temperature	-40 ℃ ... 70 ℃
Relative humidity (non-condensing)	10 % ... 95 %

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Sales: +44 (0) 1273 570 220   Website: www.amplicon.com   Email: sales@amplicon.com

Industrial Ethernet:Compact configurable managed switches:with Firmware Release 8:Compact OpenRail Gigabit Ethernet PoE switch 8-24 ports	
MTBF	25.7 years (MIL-HDBK-217F)
Protective paint on PCB	No
Mechanical construction	
Dimensions (W x H x D)	90 mm x 137 mm x 115 mm
Mounting	DIN Rail
Weight	820 g
Protection class	IP20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	1 mm, 2 Hz-13.2 Hz, 90 min.; 0.7 g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz-150 Hz, 10 cycles, 1 octave/min
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80-1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of industrial control equipment	cUL 508
Hazardous locations	ISA 12.12.01 Class 1 Div. 2 (pending)
Shipbuilding	n/a
Railway norm	n/a
Substation	n/a
Scope of delivery and accessories	
Scope of delivery	Device, terminal block, operating manual

The information published in the websites has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect.
The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.

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