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Product information
Compact OpenRail Full Gigabit Ethernet Switch 9 ports - RS40-0009CCCCSDAEHH09.0.

Industrial Ethernet:Compact configurable managed switches:with Classic Software 9.0:Compact OpenRail Full Gigabit Ethernet Switch 9 ports

https://e-catalog.beldensolutions.com:443/link/57078-24455-49854-458702-458701/en/RS40-0009CCCCSDAEHH09.0./uistate

Name	Compact OpenRail Full Gigabit Ethernet Switch 9 ports
	
	9 port Full Gigabit-Ethernet-Switch, managed, software Layer 2 Enhanced, for DIN rail store-and-forward-switching, fanless design
Delivery informations	
Availability	available
Product description	
Description	9 port Full Gigabit-Ethernet-Switch, managed, software Layer 2 Enhanced, for DIN rail store-and-forward-switching, fanless design
Port type and quantity	Gigabit ETHERNET ports in total: 9; 4 x Combo ports (10/100/1000BASE TX RJ45 plus related FE/GE-SFP slot); 5 x 10/100/1000BASE TX RJ45
Type	RS40-0009CCCCSDAEHH09.0.
Order No.	943 935-001
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
Multimode fiber (MM) 50/125 µm	0 - 550m, 0 - 7,5 dB link budget (with M-SFP-SX/LC)
Multimode fiber (MM) 62.5/125 µm	0 - 275m, 0 - 7,5 dB link budget (with M-SFP-SX/LC)
Single mode fiber (SM) 9/125 µm	0 - 20km, 0 - 11 dB link budget (with M-SFP-LX/LC)
Single mode fiber (LH) 9/125 µm (long haul transceiver)	16 - 80km, 6 - 22 dB link budget (with M-SFP-LH/LC) 44 - 120km, 13 - 32 dB link budget (with M-SFP-LH+/LC)
Network size - cascadibility	
Line - / star topology	any
Ring structure (HIPER-Ring) quantity switches	50 (reconfiguration time < 0.3 sec.)
Power requirements	
Operating voltage	12/24/48 V DC (9,6-60) V and 24 V AC (18-30) V
Power output in Btu (IT) h	62.0
Software	
Management	Dual Software Image Support; TFTP; LLDP (802.1AB); LLDP-MED; SSHv1; SSHv2; V.24; HTTP; HTTPS; Traps; SNMP v1/v2/v3; Telnet
Diagnostics	Management Address Conflict Detection; Address Relearn Detection; Signal Contact; Device Status Indication; LEDs; Syslog; Duplex Mismatch Detection; RMON (1,2,3,9); Port Mirroring 1:1; Port Mirroring 8:1; System Information; Self-Tests on Cold Start; SFP Management; Switch Dump
Configuration	AutoConfiguration Adapter ACA11 Limited Support (RS20/30/40, MS20/30); Automatic Configuration Undo (roll-back); Configuration Fingerprint; BOOTP/DHCP Client with Auto-Configuration; AutoConfiguration Adapter ACA21/22 (USB); HiDiscovery; DHCP Relay with Option 82; Command Line Interface (CLI); Full-featured MIB Support; Web-based Management; Context-sensitive Help
Security	IP-based Port Security; MAC-based Port Security; Access to Management restricted by VLAN; SNMP Logging; Local User Management
Redundancy functions	HIPER-Ring (Manager); HIPER-Ring (Ring Switch); Media Redundancy Protocol (MRP) (IEC62439-2); Redundant Network Coupling; RSTP 802.1D-2004 (IEC62439-1); RSTP Guards; RSTP over MRP
Industrial Profiles	EtherNet/IP Protocol; PROFINET IO Protocol
Time synchronisation	SNTP server and client
Miscellaneous	PoE (802.3AF); Manual Cable Crossing
Switching	Disable Learning (hub functionality); Independent VLAN Learning; Fast Aging; Static Unicast/Multicast Address Entries; QoS / Port Prioritization (802.1D/p); TOS/DSCP Prioritization; Egress Broadcast Limiter per Port; Flow Control (802.3X); VLAN (802.1Q); IGMP Snooping/Querier (v1/v2/v3)
Ambient conditions	
Operating temperature	0 °C ... 60 °C
Storage/transport temperature	-40 °C ... 70 °C

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Relative humidity (non-condensing)	10 % ... 95 %
Protective paint on PCB	No
Mechanical construction	
Dimensions (W x H x D)	74 mm x 131 mm x 111 mm
Mounting	DIN Rail
Weight	530 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
Shipbuilding	n/a
Railway norm	n/a
Substation	n/a
Scope of delivery and accessories	
Scope of delivery	Device, terminal block, operating manual

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