




## Product information Compact OpenRail Gigabit Ethernet Switch 8-24 ports - RS30-24020606SDAPHH09.0.

Industrial Ethernet: Compact configurable managed switches: Managed Industrial Ethernet RS20/30/40 Switches : Compact OpenRail Gigabit Ethernet Switch 8-24 ports	
<a href="http://dev-catalog.beldensolutions.com/link/57078-24455-49854-458702-458695/en/RS30-24020606SDAPHH09.0./uistate">http://dev-catalog.beldensolutions.com/link/57078-24455-49854-458702-458695/en/RS30-24020606SDAPHH09.0./uistate</a>	
Name	Compact OpenRail Gigabit Ethernet Switch 8-24 ports
	
	26 port Gigabit/Fast-Ethernet-Switch (2 x Gigabit Ethernet, 24 x Fast Ethernet), managed, software Layer 2 Professional, for DIN rail store-and-forward-switching, fanless design
Delivery informations	
Availability	available
Product description	
Description	26 port Gigabit/Fast-Ethernet-Switch (2 x Gigabit Ethernet, 24 x Fast Ethernet), managed, software Layer 2 Professional, for DIN rail store-and-forward-switching, fanless design
Port type and quantity	26 Ports in total, 2 Gigabit Ethernet ports; 1. uplink: Gigabit SFP-Slot; 2. uplink: Gigabit SFP-Slot; 24 x standard 10/100 BASE TX, RJ45
Type	RS30-24020606SDAPHH09.0.
Order No.	943 434-040
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	
Multimode fiber (MM) 50/125 µm	cf. SFP LWL module M-SFP-SX/LC and M-SFP-LX/LC
Multimode fiber (MM) 62.5/125 µm	cf. SFP LWL module M-SFP-SX/LC and M-SFP-LX/LC
Single mode fiber (SM) 9/125 µm	cf. SFP LWL module M-SFP-LX/LC
Single mode fiber (LH) 9/125 µm (long haul transceiver)	cf. SFP LWL module M-SFP-LH/LC and M-SFP-LH+/LC
Network size - cascading	
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 (redundant)
Current consumption at 24 V DC	628 mA
Current consumption at 48 V DC	313 mA
Power output in Btu (IT) h	51.6
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; MAC Notification; Signal Contact; Device Status Indication; TCPDump; LEDs; Syslog; Port Monitoring with Auto-Disable; Link Flap Detection; Overload Detection; Duplex Mismatch Detection; RMON (1,2,3,9); Port Mirroring 1:1; Port Mirroring 8:1; Port Mirroring N:1; System Information; Self-Tests on Cold Start; Copper Cable Test; SFP Management; Configuration Check Dialog; Switch Dump; Link Speed and Duplex Monitoring
Configuration	AutoConfiguration Adapter ACA11 Limited Support (RS20/30/40, MS20/30); Automatic Configuration Undo (roll-back); Configuration Fingerprint; BOOTP/DHCP Client with Auto-Configuration; DHCP Server: per Port; DHCP Server: Pools per VLAN; DHCP Server: Option 43; AutoConfiguration Adapter ACA21/22 (USB); HiDiscovery; DHCP Relay with Option 82; Command Line Interface (CLI); CLI Scripting; Full-featured MIB Support; Web-based Management; Context-sensitive Help
Security	IP-based Port Security; MAC-based Port Security; Port-based Access Control with 802.1X; Guest/unauthenticated VLAN; RADIUS VLAN Assignment; Multi-Client Authentication per Port; MAC Authentication Bypass; Access to Management restricted by VLAN; HTTPS Certificate Management; Restricted Management Access; Appropriate Use Banner; SNMP Logging; Local User Management; Remote Authentication via RADIUS
Redundancy functions	Advanced Ring Configuration for MRP; HIPER-Ring (Manager); HIPER-Ring (Ring Switch); Fast HIPER-Ring; Link Aggregation with LACP; Media Redundancy Protocol (MRP) (IEC62439-2); Redundant Network Coupling; RSTP 802.1D-2004 (IEC62439-1); MSTP (802.1Q); RSTP Guards; RSTP over MRP
Industrial Profiles	EtherNet/IP Protocol; PROFINET IO Protocol



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<b>Time synchronisation</b>	SNTP server and client, Buffered RTC
<b>Miscellaneous</b>	Manual Cable Crossing
<b>Switching</b>	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); GARP VLAN Registration Protocol (GVRP); Double VLAN Tagging (QinQ); Voice VLAN; GARP Multicast Registration Protocol (GMRP); IGMP Snooping/Querier (v1/v2/v3)
<b>Ambient conditions</b>	
<b>Operating temperature</b>	0 °C ... 60 °C
<b>Storage/transport temperature</b>	-40 °C ... 70 °C
<b>Relative humidity (non-condensing)</b>	10 % ... 95 %
<b>MTBF</b>	31.5 years (MIL-HDBK-217F)
<b>Protective paint on PCB</b>	No
<b>Mechanical construction</b>	
<b>Dimensions (W x H x D)</b>	110 mm x 131 mm x 111 mm
<b>Mounting</b>	DIN Rail
<b>Weight</b>	600 g
<b>Protection class</b>	IP20
<b>Mechanical stability</b>	
<b>IEC 60068-2-27 shock</b>	15 g, 11 ms duration, 18 shocks
<b>IEC 60068-2-6 vibration</b>	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
<b>EMC interference immunity</b>	
<b>EN 61000-4-2 electrostatic discharge (ESD)</b>	6 kV contact discharge, 8 kV air discharge
<b>EN 61000-4-3 electromagnetic field</b>	10 V/m (80-1000 MHz)
<b>EN 61000-4-4 fast transients (burst)</b>	2 kV power line, 1 kV data line
<b>EN 61000-4-5 surge voltage</b>	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
<b>EN 61000-4-6 conducted immunity</b>	3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)
<b>EMC emitted immunity</b>	
<b>FCC CFR47 Part 15</b>	FCC 47 CFR Part 15 Class A
<b>EN 55022</b>	EN 55022 Class A
<b>Approvals</b>	
<b>Safety of industrial control equipment</b>	cUL 508
<b>Hazardous locations</b>	ISA 12.12.01 Class 1 Div. 2
<b>Shipbuilding</b>	n/a
<b>Railway norm</b>	n/a
<b>Substation</b>	n/a
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	Device, terminal block, operating manual

For more information please contact:

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