




Product information Managed Fast Ethernet RSP Switches - RSP20-11003Z6TTTK9V9HSE2S02.0.

Industrial Ethernet:Power Rail Switches:RSP Switches:with HiOS 2.0:Managed Fast Ethernet RSP Switches

<http://www.e-catalog.beldensolutions.com/link/57078-24455-202442-279205-400808-202441/en/RSP20-11003Z6TTTK9V9HSE2S02.0/ui/state>

Name	Managed Fast Ethernet RSP Switches
	
	Managed, Industrial Switch DIN Rail, fanless design.
Delivery informations	
Availability	available
Product description	
Description	Managed, Industrial Switch DIN Rail, fanless design.
Port type and quantity	11 ports in total, Ports Fast Ethernet: 8 x 10/100BASE TX, RJ45; Gigabit Ethernet Ports: 3; Uplink Ports: 3 x SFP slot (100 Mbit)
Type	RSP20-11003Z6TTTK9V9HSE2S02.0.
Order No.	942 053-999
More Interfaces	
Power supply/signaling contact	1 x steckbarer Klemmblock 3-polig, 1 x steckbarer Klemmblock 2-polig
V.24 interface	1 x RJ11 socket
SD-card slot	1 x SD card slot to connect the auto configuration adapter ACA31
Network size - length of cable	
Twisted pair (TP)	0 m ... 100 m
Multimode fiber (MM) 50/125 µm	see SFP LWL-Modul M-Fast SFP-xx
Multimode fiber (MM) 62.5/125 µm	see SFP LWL-Modul M-Fast SFP-xx
Single mode fiber (SM) 9/125 µm	see SFP LWL-Modul M-Fast SFP-xx
Single mode fiber (LH) 9/125 µm (long haul transceiver)	see SFP LWL-Modul M-Fast SFP-xx
Network size - cascability	
Line - / star topology	any
Power requirements	
Operating voltage	1 x 60/110/125/220/250 VDC (48 V-320 VDC) and 110/120/220/230 VAC (88-265 VAC)
Software	
Management	Serial interface V.24 web-interface, Telnet, SSHv2, HTTP, HTTPS, TFTP, SFTP, SCP, SNMP v1/v2/v3, Traps, LLDP-MED
Diagnostics	LED, persistent logging, syslog, signal contact, device status indication, port mirroring N:1, RMON (1,2,3,9), TCPEDump, LLDP, SFP management (temperature, optical input and output power), switch dump, configuration check dialog, system information, self tests on cold start, Management Address Conflict Detection, Copper cable test, Port Monitor, duplex mismatch detection
Configuration	Command line interface (CLI), WEB based management, full featured MIB support, BOOTP/DHCP client with auto configuration, DHCP option 82, AFS-Finder, Configuration Recovery Adapter (CRA-SD), Automatic configuration undo (roll-back), text based configuration file, CLI scripting, Telnet
Security	Enhanced encryption (>56 Bit, up to 256Bit DES) Management access; MAC based port security, Authentication (IEEE802.1x), Guest/unauthenticated VLAN, Radius client, Restricted management access, Local user accounts, different privilege levels, management authentication via RADIUS, account locking, configurable password policy, account locking, audit trail, configurable login attempts, HTTPS certificate management, CLI/SNMP logging, DoS prevention (e.g. TCP SYN&FIN, UPD source=destination port, TCP fragment)
Redundancy functions	RSTP (IEEE802.1D-2004), MRP; default Standard
Filter	QoS (8 classes), CoS queue management, interface trust mode, TOS/DSCP prioritization, port priority (IEEE802.1D/p), VLAN (IEEE802.1Q), Voice VLAN, IGMP snooping/querier per VLAN (v1/v2/v3), unknown multicast filtering, independent VLAN learning, static unicast/multicast address entries, fast aging
Time synchronisation	PTPv2 TC two-step, SNTP server and client, Buffered RTC
Flow control	Flow control (IEEE802.3X), egress interface shaping, ingress storm protection
Miscellaneous	Port power down, cable crossing, dual image support, VLAN unaware mode, access to management restricted by VLAN
Ambient conditions	
Operating temperature	-40 °C ... 70 °C
Note	IEC 60068-2-2 Dry Heat Test +85°C 16 Hours
Storage/transport temperature	-40 °C ... 85 °C



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Relative humidity (non-condensing)	10 % ... 95 %
Mechanical construction	
Dimensions (W x H x D)	98 mm x 164 mm x 120 mm
Mounting	DIN Rail
Weight	1500 g
Protection class	IP30
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)	8 kV contact discharge, 15 kV air discharge
EN 61000-4-3 electromagnetic field	35 V/m (80-2700 MHz); 1 kHz, 80% AM
EN 61000-4-4 fast transients (burst)	4 kV power line, 4 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line IEC61000-4-5: power line 5 kV (line/earth)
EN 61000-4-6 conducted immunity	3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)
EN 61000-4-16 mains frequency voltage	30 V, 50 Hz continuous; 300 V, 50 Hz 1 s
EMC emitted immunity	
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Railway norm	EN50121-4
Substation	IEC 61850-3, IEEE 1613
Transportation	NEMA TS2 (pending)
Scope of delivery and accessories	
Scope of delivery	Device, terminal block, operating manual

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