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Product information Managed Fast Ethernet RSP Switches - RSP25-11003Z6ZTTCCV9HHE2A03.0.

Industrial Ethernet:Power Rail Switches:RSP Switches:with HiOS 3.0:Managed Fast Ethernet RSP Switches

<http://www.e-catalog.beldensolutions.com/link/57078-24455-202442-279205-402209-402210/en/RSP25-11003Z6ZTTCCV9HHE2A03.0/uistate>

Name		Managed Fast Ethernet RSP Switches
		
		Managed, Industrial Switch DIN Rail, fanless design. Enhanced Redundancy (PRP, Fast MRP, HSR).
Delivery informations		
Availability		available
Product description		
Description		Managed, Industrial Switch DIN Rail, fanless design. Enhanced Redundancy (PRP, Fast MRP, HSR).
Port type and quantity		11 Ports in total, thereof Fast Ethernet(100 Mbit): 4 x SFP slot, 4x Twisted Pair / RJ45; thereof Uplink Ports: 3 x SFP slot FE (100 Mbit)
Type		RSP25-11003Z6ZTTCCV9HHE2A03.0.
Order No.		RSP25-11003Z6ZTTCCV9HHE2A03.0.
More Interfaces		
Power supply/signaling contact		2 x steckbarer Klemmblock 2-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		2 x 24/36/48 VDC (18-60 VDC)
Software		
Management		Serial interface V.24 web-interface, Telnet, SSHv2, HTTP, HTTPS, TFTP, SCP, SFTP, SNMP v1/v2/v3, Traps, LLDP-MED, SSH client
Diagnostics		LED, persistent logging, syslog, signal contact, device status indication, port mirroring N:1, RMON (1,2,3,9), TCPDump, 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, snapshot configuration feature
Configuration		Command line interface (CLI), WEB based management, full featured MIB support, BOOTP/DHCP client with auto configuration, DHCP option 82, DHCP server per port and pool per VLAN, HiDiscovery, auto-configuration adapter ACA31 (SD card), 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), Radius client, RADIUS VLAN and policy assignment, Multi Client Authentication, MAC authentication bypass, Guest/unauthenticated VLAN, 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, UDP source=destination port, TCP fragment), Integrated Authentication Server (IAS), ACL: VLAN and Ingress VLAN based, MAC based ACL, Ingress MAC based ACL, IPv4 based ACL, Ingress IPv4 based ACL, Time based ACL, ACL flow based limiting, DHCP snooping, Dynamic ARP inspection, DoS (Denial of Service) prevention: Smurf Attack, Source/Destination MAC check
Redundancy functions		Fast MRP, PRP (Parallel Redundancy Protocol), HSR (High Available Seamless Ring); default HSR
Filter		QoS (8 classes), CoS queue management, interface trust mode, TOS/DSCP prioritization, port priority (IEEE802.1D/p), VLAN (IEEE802.1Q), Voice VLAN, Protocol based VLAN, MAC based VLAN, IP subnet based VLAN, IGMP snooping/querier per VLAN (v1/v2/v3), unknown multicast filtering, independent VLAN learning, static unicast/multicast address entries, fast aging, MVRP (Multiple VLAN Registration Protocol), MMRP (Multiple MAC Registration Protocol), MRP (Multiple Registration Protocol), IP Ingress DiffServ classification and policing
Industrial Profiles		IEC61850 protocol (MMS Server, Switch Model)
Time synchronisation		PTPv2 TC two-step, SNTP server and client, Buffered RTC

Industrial Ethernet: Power Rail Switches: RSP Switches with HiOS 3.0: Managed Fast Ethernet RSP Switches
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Flow control	Flow control (IEEE802.3X), egress interface shaping, ingress storm protection, Queue-Shaping / max. Queue Bandwidth
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
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, IEEE1613: 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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