


Product information

Rail Data Diode LV - RDD20-1400A-SUUY999HHE3S - RDD20-1400A-SUUY999HHE3SXX.X.XX

Industrial Ethernet:Rail Data Diode (RDD):Rail Data Diode LV - RDD20-1400A-SUUY999HHE3S	
http://dev-catalog.beldensolutions.com/link/57078-24455-504098-504322/en/conf/uistate	
Name	Rail Data Diode LV - RDD20-1400A-SUUY999HHE3S
	
	Data Diode for 24 V operating voltage
Delivery informations	
Availability	available
Product description	
Type	RDD20-1400A-SUUY999HHE3SXX.X.XX
Order No.	942 197-001
Description	Data Diode for 24 V operating voltage
Port type and quantity	14 ports in total, thereof 6 M12 "D"-coded and 8 RJ45
More Interfaces	
V.24 interface	2 x RJ11 socket
SD-card slot	2 x SD card slot for Autoconfiguration Adapter ACA31
Power supply/signaling contact	2 x plug-in terminal block, 2- pin / 1 x plug-in terminal block, 2- pin
Network size - length of cable	
Twisted pair (TP)	0 m ... 100 m
Network size - cascadiability	
Line - / star topology	any
Power requirements	
Operating voltage	2 x 24 VDC (16,8 .. 32 VDC)
Power consumption	23 W
Mechanical construction	
Dimensions (W x H x D)	146 mm x 164 mm x 120 mm
Weight	2200 g
Protection class	IP20
Mounting	DIN Rail
Software	
Management	DNS Client, Dual Software Image Support, TFTP, SFTP, SC,P LLDP (802.1AB), LLDP-MED, SSHv2, V.24, HTTP, HTTPS, Traps, SNMP v1/v2/v3, Telnet
Diagnostics	Management Address Conflict Detection, MAC Notification, Signal Contact, Device Status Indication, TCPDump, LEDs, Syslog, Persistent Logging on ACA, Email Notification, Port Monitoring with Auto-Disable, Link Flap Detection, Overload Detection, Duplex Mismatch Detection, Link Speed and Duplex Monitoring, RMON (1,2,3,9), Port Mirroring 1:1, Port Mirroring 8:1, Port Mirroring N:1, RSPAN, SFLOW, VLAN Mirroring, System Information, Self-Tests on Cold Start, Copper Cable Test, SFP Management, Configuration Check Dialog, Switch Dump, Snapshot Configuration Feature
Configuration	Automatic Configuration Undo (roll-back), Configuration Fingerprint, Text-based Configuration File (XML), BOOTP/DHCP Client with Auto-Configuration, DHCP Server: per Port DHCP Server: Pools per VLAN, AutoConfiguration Adapter ACA31 (SD card), HiDiscovery, DHCP Relay with Option 82, Command Line Interface (CLI), CLI Scripting Full-featured MIB Support, Web-based Management Context-sensitive Help
Security	MAC-based Port Security; Port-based Access Control with 802.1X; Guest/unauthenticated VLAN; Integrated Authentication Server (IAS); RADIUS VLAN Assignment; RADIUS Policy Assignment; Multi-Client Authentication per Port; MAC Authentication Bypass; DHCP Snooping; Dynamic ARP Inspection; Automatic Denial-of-Service Prevention; LDAP; Ingress MAC-based ACL; Ingress IPv4-based ACL; Time-based ACL; VLAN-based ACL; Ingress VLAN-based ACL; ACL Flow-based Limiting; Access to Management restricted by VLAN; Device Security Indication; Audit Trail; CLI Logging; HTTPS Certificate Management; Restricted Management Access; Appropriate Use Banner; Configurable Password Policy; Configurable Number of Login Attempts; SNMP Logging; Multiple Privilege Levels; Local User Management; Remote Authentication via RADIUS; User Account Locking
Redundancy functions	HIPER-Ring (Ring Switch); HIPER-Ring over Link Aggregation; Link Aggregation with LACP; Link Backup; Media Redundancy Protocol (MRP) (IEC62439-2); MRP over Link Aggregation; Sub Ring Manager; RSTP 802.1D-2004 (IEC62439-1); RSTP Guards; VRRP; VRRP Tracking; HivRRP (VRRP enhancements); Redundant Network Coupling
Industrial Profiles	EtherNet/IP protocol, IEC61850 protocol (MMS Server, Switch Model), ModbusTCP, PROFINET IO Protocol

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Time synchronisation	PTPv2 Transparent Clock two-step, PTPv2 Boundary Clock, Buffered Real Time Clock, SNTP Client, SNTP ServerPTPv2 Transparent Clock two-step, PTPv2 Boundary Clock, Buffered Real Time Clock, SNTP Client, SNTP Server
Miscellaneous	Port Power Down, Manual Cable Crossing
Switching	Independent VLAN Learning, Fast Aging, Static Unicast/Multicast Address Entries, QoS / Port Prioritization (802.1D/p), TOS/DSCP Prioritization, Interface Trust Mode, CoS Queue Management, IP Ingress DiffServ Classification and Policing, Queue-Shaping / Max. Queue Bandwidth, Flow Control (802.3X), Egress Interface Shaping, Ingress Storm Protection, Jumbo Frames, VLAN (802.1Q), Protocol-based VLAN, VLAN Unaware Mode, Voice VLAN, MAC-based VLAN, IP subnet-based VLAN, IGMP Snooping/Querier per VLAN (v1/v2/v3), Unknown Multicast Filtering, Multiple VLAN Registration Protocol (MVRP), Multiple MAC Registration Protocol (MMRP), Multiple Registration Protocol (MRP), Jumbo Frames
Routing	IP/UDP Helper, Full Wire-Speed Routing, Port-based Router Interfaces, VLAN-based Router Interfaces, Loopback Interface, ICMP Filter, Net-directed Broadcasts, OSPFv2, RIP v1/v2, ICMP Router Discovery (IRDP), Static Unicast Routing, Proxy ARP, Static Route Tracking
Ambient conditions	
Operating temperature	0 °C ... 60 °C
Addition	IEC 60068-2-2 Dry Heat Test +85°C 16 Hours
Storage/transport temperature	-40 °C ... 85 °C
Relative humidity (non-condensing)	5 % ... 95 %
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms
IEC 60068-2-6 vibration	5 Hz .. 8.4 Hz (3,5 mm amplitude), 5 Hz .. 150 Hz
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	4 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 .. 1000 MHz), 3 V/m (1400 .. 2000 MHz), 1 V/m (2000 .. 2700 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 4 kV data line
EN 61000-4-5 surge voltage	2 kV (line / ground), 1 kV (line / line) power supply; 1 kV (line/earth) data line
EN 61000-4-6 conducted immunity	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	
Basis Standard	CE, EN 60131-2
Safety of industrial control equipment	EN 60950-1
Scope of delivery and accessories	
Scope of delivery	Device, terminal blocks, general safety instructions
Accessories to order separately	Terminal cable 943 301-001; AutoConfiguration Adapter ACA31 942 074-001; Network management software Industrial HiVision 943 156-xxx; 2-pin terminal block for supply voltage (50 pieces) 943 845-009; 2-pin terminal block for signal contact (50 pieces.) 943 845-010; Power Cord 942 000-001; Protection cap for RJ45 socket (50 pieces) 943 936-001; Dust-Cover set for M12 socket, metal (25 pcs.) 942 057-001; Dust-Cover set for M12 socket, plastic (25 pcs.) 942 057-002

For more information please contact:

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