




Product information RH1-TP/FL

Industrial Ethernet:Archive - Industrial Ethernet:Entry Level Hubs And Switches:Rail Hubs:RH1-TP/FL

<http://www.e-catalog.beldensolutions.com/link/57078-24455-49814-49855-24476-34235/en/conf/ui/state>

Name	RH1-TP/FL
	
	Industrial ETHERNET Rail Hub, Ethernet (10 Mbit/s), HIPER-Ring for high network availability
Delivery informations	
Availability	no longer available
Product description	
Description	Industrial ETHERNET Rail Hub, Ethernet (10 Mbit/s), HIPER-Ring for high network availability
Port type and quantity	2 x 10BASE-FL, MM cables, ST (BFOC) sockets, 3 x 10BASE-T, TP cables, RJ45 sockets
Type	RH1-TP/FL
Order No.	943 613-002
More interfaces	
Power supply/signaling contact	1 plug-in terminal block, 5-pin
Network size - length of cable	
Twisted pair (TP)	0 - 100 m
Multimode fiber (MM) 50/125 µm	0 - 2300 m 10 dB link budget at 850 nm A = 3 dB/km, 3 dB reserve, B = 400 MHz x km
Multimode fiber (MM) 62.5/125 µm	0 - 3100 m 13 dB link budget at 850 nm A = 3.2 dB/km, 3 dB reserve, B = 200 MHz x km
Network size - cascading	
Propagation equivalent	TP port <-> TP port: 190 m TP port <-> F/O port: 390 m F/O port <-> F/O port: 260 m
Path variability value	TP port <-> TP port: 3 BT TP port <-> F/O port: 6 BT F/O port <-> F/O port: 3 BT
Power requirements	
Operating voltage	24 V DC (-25% to +30%)
Current consumption at 24 V DC	max. 270 mA
Service	
Diagnostics	LEDs (power, data, link status, collision) signal contact (24V DC / 1 A)
Redundancy	
Redundancy functions	redundant 24 V power supply, HIPER-Ring
Ambient conditions	
Operating temperature	0 °C to +60 °C
Storage/transport temperature	-25 °C to +70 °C
Relative humidity (non-condensing)	10% to 95%
MTBF	39.6 years; MIL-HDBK 217F: Gb 25 °C
Mechanical construction	
Dimensions (W x H x D)	80 mm x 140 mm x 85 mm
Mounting	DIN Rail 35 mm
Weight	900 g
Protection class	IP 30
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.; 0.7g, 13.2 Hz - 100 Hz, 90 min.; 3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 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), 1kV 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 CFR47 Part 15 Class A



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EN 55022	EN 55022 Class A
Approvals	
Safety of industrial control equipment	cUL 508
Hazardous locations	cUL 1604 Class1 Div 2 (pending)
Safety of information technology equipment	cUL 60950-1 (pending)
FM 3611 Class 1 Div 2	FM 3611 Class 1 Div 2 (3012523)
FM 3810	FM 3810 (3012523)
Shipbuilding	Germanischer Lloyd
Scope of delivery and accessories	
Scope of delivery	device, terminal block, operating manual
Accessories to order separately	rail power supply RPS 30, RPS 60 or RPS 120, 19" installation frame

For more information please contact:

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