



Product information RT1-TP/FL

Industrial Ethernet:Archive - Industrial Ethernet:Entry Level Hubs And Switches:Rail Transceiver:RT1-TP/FL

<http://www.e-catalog.beldensolutions.com/link/57078-24455-49814-49855-24477-34247/en/conf/ui/istate>

Name	RT1-TP/FL
	
	Industrial ETHERNET media converter, 10BASE-FL multimode and 10BASE-T
Delivery informations	
Availability	no longer available
Product description	
Description	Industrial ETHERNET media converter, 10BASE-FL multimode and 10BASE-T
Port type and quantity	1 x 10BASE-FL, MM cables, ST (BFOC) sockets, 1 x 10BASE-T, TP cable, RJ45 socket
Type	RT1-TP/FL
Order No.	943 633-002
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 - 2600 m, 11 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 - 3400 m, 14 dB link budget at 850 nm, A = 3.2 dB/km, 3 dB reserve, B = 200 MHz x km
Network size - cascading	
Propagation equivalent	100 m
Path variability value	1 BT
Power requirements	
Operating voltage	24 V DC (-25% to +30%)
Current consumption at 24 V DC	Max. 105 mA
Service	
Diagnostics	LEDs (power, data, link status), signal contact (24 V DC / 1 A)
Redundancy	
Redundancy functions	redundant 24 V power supply
Mechanical construction	
Dimensions (W x H x D)	40 mm x 134 mm x 80 mm
Mounting	DIN Rail 35 mm
Weight	520 g
Protection class	IP 30
Ambient conditions	
Operating temperature	0 °C to +60 °C
Storage/transport temperature	-25 °C to +75 °C
Relative humidity (non-condensing)	10% to 95%
MTBF	136.5 years; MIL-HDBK 217F: Gb 25 °C
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 resonance, 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), 1 kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)



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EMC emitted immunity

FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A

Approvals

Safety of industrial control equipment	cUL 508 (E175531)
Hazardous locations	cUL 1604 Class 1 Div 2 (E203960)
Safety of information technology equipment	cUL 60950 (E168643)
FM 3611 Class 1 Div 2	FM 3611 Class 1 Div 2 (3012532)
Germanischer Lloyd	Germanischer Lloyd (15 662 - 00 HH)

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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