



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/state>

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| 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 |
| Hazardous locations | cUL 1604 Class1 Div 2 |
| Safety of information technology equipment | cUL 60950-1 |
| FM 3611 Class 1 Div 2 | FM 3611 Class 1 Div 2 (3012532) |
| 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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