



RT2-TX/FX-SM

Industrial Networking:Industrial Ethernet:Rail Family:Rail Transceiver

Product description

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| Description | Industrial ETHERNET media converter 100BASE-FX-single mode and 100BASE-TX |
| Port type and quantity | 1 x 100BASE-FX, SM cables, SC sockets, 1 x 100BASE-TX, TP cable, RJ45 socket |
| Type | RT2-TX/FX-SM |
| Order No. | 943-658-032 |

More Interfaces

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|--------------------------------|---------------------------------|
| Power supply/signaling contact | 1 plug-in terminal block, 5-pin |
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Network size - length of cable

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| Twisted pair (TP) | 0 - 100 m |
| Single mode fiber (SM)9/125 µm | 0 - 32.5 km, 16 dB link budget at 1300 nm, A = 0.4 dB/km, 3 dB reserve, D = 3.5 ps/(nm x km) |

Network size - cascadability

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| Path delay value | 84 BT (Class 2 Repeater) |
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Power requirements

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| Operating voltage | 24 V DC (-25% to +30%) |
| Current consumption at 24 V DC | max. 240 mA |

Service

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| Diagnostics | LEDs (power, data, link status), signal contact (24 V DC / 1 A) |
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Redundancy

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| Redundancy functions | redundant 24 V power supply |
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Mechanical construction

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| Dimensions (W x H x D) | 47 mm x 135 mm x 111 mm |
| Mounting | DIN Rail 35 mm |
| Weight | 230 g |
| Protection class | IP 20 |

Ambient conditions

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|------------------------------------|------------------------------------|
| Operating temperature | 0 °C to +60 °C |
| Storage/transport temperature | -25 °C to +75 °C |
| Relative humidity (non-condensing) | 10% to 95% |
| MTBF | 137 years; MIL-HDBK 217F: Gb 25 °C |

Mechanical stability

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|-------------------------|---|
| IEC 60068-2-27 shock | 15 g, 11 ms duration, 18 shocks |
| IEC 60068-2-6 vibration | 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

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| 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) |
| EN 61000-4-4 fast transients (burst) | 2 kV power line, 1 kV data line |
| EN 61000-4-5 surge voltage | power line: 1 kV (line/earth), 0.5 kV (line/line), 1 kV data line |
| EN 61000-4-6 conducted immunity | 10 V (150 kHz - 80 MHz) |

EMC emitted immunity

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

Approvals

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| 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) |
| Scope of delivery and accessories | |
| Scope of delivery | device, terminal block, operating manual |
| Accessories to order separately | rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame |