HIRSCHMANN
A BELDEN BRAND



Product: OBR40-50-LC

Optical bypass relay - MM 50/125 µm

Product Description

Fibre-optic relay to bypass Ethernet switches in case of power failure. Compatible with multimode fibres 50/125 µm. Suitable for all data rates and all kinds of data protocols.

Technical Specifications

Product description

Name:	OBR40-50-LC
Description:	Fibre-optic relay to bypass Ethernet switches in case of power failure. Compatible with multimode fibres 50/125 µm. Suitable for all data rates and all kinds of data protocols.
Part Number:	942088101
Port Type and Quantity:	4 x LC

More Interfaces

Power supply/signaling contact:	4-pin terminal block

Power requirements

Operating Voltage:	10 - 60 VDC
Power Consumption:	2.5 W
Redundancy functions:	Passive bypass of the connected Ethernet switch, redundant power supply.

Software

Diagnostics:	LEDs (power 1, power 2, status)
Configuration:	Threshold level for power supply low detection may be set from 10 V to 60 V by means of DIL-switches, recovery delay may be set from 0 s to 75 s by means of DIL-switches.

Ambient conditions

MTBF:	30
Operating temperature:	-30-+70 °C
Minimum Storage Temperature:	-40-+85 °C
Relative humidity (non-condensing):	10-95 %

Mechanical construction

Dimensions (WxHxD):	115 mm x 61 mm x 113 mm
Weight:	500 g
IP Protection Rating:	IP30

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 (1.4-2 GHz), 1 V/m (2-2.7 GHz)
EN 61000-4-4 fast transients (burst):	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage:	power line: 0.5 kV (line/earth), 0.5 kV (line/line)
EN 61000-4-6 Conducted Immunity:	10 V (150 kHz-80 MHz)

EMC emitted immunity

EN 55022:	EN 55022 Class B

Approvals

Basis Standard:	EU Conformity

Reliability

Guarantee:	60 months (please refer to the ""terms of guarantee or detailed information)

Scope of delivery and accessories

Scope of delivery:	Terminal blocks for power supply and fault contact, dust covers for optical ports, description and operating instructions.

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