



**Product information**

**OBR40-50-LC**

**942 088-101**

Name	
Name	OBR40-50-LC
	
	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.
Delivery informations	
Availability	not yet available
Product description	
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.
Port type and quantity	4 x LC
Type	OBR40-50-LC
Order No.	942 088-101
Electrical interfaces	
Power supply/signaling contact	4-pin terminal block
Delay	DIL-switch
Switching voltage	DIL-switch for setting the threshold for low supply voltage detection. Control input to force relay activation.
Optical interfaces	
Wavelength	850 nm and 1310 nm, +-40 nm (multimode 50 / 125 µm)
Insertion Loss	1.4 dB
Crosstalk attenuation	55 dB
Return loss	55 dB
Switching speed	typ. 4 ms, max 15 ms
Power requirements	
Operating voltage	10 - 60 VDC
Power consumption	2.5 W
Service	
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.
Diagnostics	LEDs (power 1, power 2, status)
Redundancy	
Redundancy functions	Passive bypass of the connected Ethernet switch, redundand power supply.
Ambient conditions	
Operating temperature	-30 °C ... 70 °C
Storage/transport temperature	-40 °C ... 85 °C
MTBF	30 years (MIL-HDBK-217F)
Relative humidity (non-condensing)	10 % ... 95 %
Mechanical construction	
Weight	500 g
Protection class	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

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



**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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