



**Product:** [OBR40-9-LC](#) 

Optical bypass relay - SM 9/125  $\mu\text{m}$

## Product Description

Fibre-optic relay to bypass Ethernet switches in case of power failure. Compatible with singlemode fibres 9/125  $\mu\text{m}$ . Suitable for all data rates and all kinds of data protocols.

## Technical Specifications

### Product description

Name:	OBR40-9-LC
Description:	Fibre-optic relay to bypass Ethernet switches in case of power failure. Compatible with singlemode fibres 9/125 $\mu\text{m}$ . Suitable for all data rates and all kinds of data protocols.
Part Number:	942088001
Port type and quantity:	4 x LC

### More Interfaces

Power supply/signaling contact:	4-pin terminal block
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### 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:	-40-+70 °C
Storage/transport 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
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
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## Approvals

Basis Standard:	EU Conformity
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## Reliability

Guarantee:	60 months (please refer to the terms of guarantee for detailed information)
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## 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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