



Product: OBR40-9-LC ☑

Optical bypass relay - SM 9/125 µm

#### **Product Description**

Fibre-optic relay to bypass Ethernet switches in case of power failure. Compatible with singlemode fibres 9/125 μm. 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 μm. Suitable for all data rates and all kinds of data protocols.
Part Number:	942088001
Port type and quantity:	4xLC

# **More Interfaces**

Power supply/signaling contact:
---------------------------------

# **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

#### **Approvals**

Basis Standard:	EU Conformity

#### Scope of delivery and accessories

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

#### © 2022 Belden, Inc

#### All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

# **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Hirschmann: OBR40-9-LC