

# DIAMOND

## Fiber Optic Active Components

### MEDIA CONVERTERS

### optelcon® mediaconverter

SINGLE MODE / MULTIMODE  
( $50\text{ }\mu\text{m}$  /  $62.5\text{ }\mu\text{m}$ )

#### GENERAL INFORMATION

The DIAMOND optelcon® is a mediaconverter for optoelectronic media designed for flexible use. A major benefit is its compact design, just  $100 \times 60 \times 60$  mm (L x W x H). This allows easy, convenient mounting, for example in a cabinet wall with a thickness up to 4 mm and affords IP65 protection. A M50 cutout is needed.

The optical connection is ensured thanks to the Diamond revos E-2000® 2-channel outdoor connector. Its robust design also achieves IP65 protection, making it optimally suited for exterior use as well as industrial applications. The electrical interface is a RJ45 connector with a transmission rate of 10 / 100 Mbit/s.

The optelcon® is ready for immediate use and requires no additional settings or configuration.

For more information concerning the revos E-2000® outdoor connector, please refer to the revos E-2000® datasheet under the section "Assemblies and adapters / Harsh environment".

#### PROPERTIES AND ADVANTAGES

- ▶ Variable mounting in cabinet walls as thick as 4 mm
- ▶ Compact, robust design
- ▶ M50 cutout sealed to IP65
- ▶ Robust revos E-2000® bulkhead with dust cap and IP65 protection
- ▶ Direct optical-electrical connection through the bulkhead
- ▶ Plug and play
- ▶ CE approved
- ▶ RoHS compliant

#### AVAILABLE AS

- ▶ revos E-2000® 1310 nm SM edition
- ▶ revos E-2000® 1300 nm MM edition

#### TECHNICAL SPECIFICATIONS

▶ Wavelength	1310 SM / 1300 MM
▶ Range	SM: 60km MM: 5km
▶ Interface connections	100BASE-FX, revos; 10/100BASE-TX, RJ45
▶ Performances	- Store and forward mode - Half/full-duplex - Auto negotiation (MDI/MDU-X) max. 0.16A; 12 - 48 VDC
▶ Power	
▶ Temperature range	-40°C bis +85°C (storage temperature) -10°C bis +50°C (operating temperature)
▶ Relative humidity	5-95% RHD non-condensing
▶ Dimensions	100 x 60 x 60mm (LxBxH)
▶ Weight	350g
▶ Material	Aluminium / zinc die-casting



DIAMOND SA | Via dei Patrizi 5 | CH-6616 Losone - Switzerland  
Tel. +41 58 307 45 45 | e-mail [info@diamond-fo.com](mailto:info@diamond-fo.com)

[www.diamond-fo.com](http://www.diamond-fo.com)

Specifications subject to change  
without notice

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## ACCESSORIES

DIAMOND recommends:

- ▶ Combination with a revos E-2000® patch cable (see revos E-2000® datasheet for further information)
- ▶ As a set, a combination made of a revos E-2000® patch cable on the outdoor cable drum and 2 optelcon® units is recommended.



## ORDER INFORMATION

Please contact your nearest local Diamond representative.