

## FO converter for essernet, single-mode



### Part-No. 784766

The fiber optic converter for essernet, required to connect two single-mode fibers, must be installed directly into the control panel's housing. This is done by mounting it directly to the top-hat rail without any further mounting fixtures. Prefabricated connecting cable approx. 1.5 m included for connection to the essernet module in the FACP.

The device should be installed as close as possible to the FACP and the connecting cable should not be extended!

#### Features:

- Two mono-mode fibers are required per network section.
- The fibers must be connected directly without interruption (e.g. no connection via multiplexers permitted)
- Fiber type E9/125 μm
- max. permitted attenuation of 17 dB corresponds to a length of approx. 20 km or
- Fiber type E10/125 μm
- max. permitted attenuation of 17 dB corresponds to a length of approx. 20 km
- Up to 16 optical fiber paths per essernet network
- Up to 16 FOC connections per essernet network at a transfer rate of 62.5 kBd.
- Up to 31 connections per essernet network at a transfer rate of 500 kBd with LWL-converter from Index "A".

Operating voltage	9 ... 30 V DC
Current consumption @ 12 V DC	approx. 70 mA
Current consumption @ 24 V DC	approx. 35 mA
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-10 °C ... 55 °C
Type of protection	IP 40
Housing	aluminum
Installation	mounting rail
Air humidity	< 95 %
Weight	approx. 200 g
Dimensions	W: 105 mm H: 55 mm D: 24 mm

 Max. optical loss per FO-segment (20 km):  
E9/125 μm: 17 dB, E10/125 μm: 17 dB

#### Accessories:

- 788602 Top hat rail
- 788652 Mounting rail for FACP 8000 and IQ8Control