



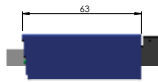
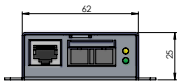
EL100-XS

COMPACT MEDIA CONVERTER UNMANAGED

The series EL100-XS contains unmanaged media converters which operate with POF, HCS-, multimode or singlemode fiber optic. Additional features are autonegotiation, MDX/MDIX and extended temperature range.

The flat design of the stainless steel housing offers an extremely high degree of flexibility and safety for all kinds of indoor and outdoor applications. EL100-XS can either be mounted onto a DIN EN rail or fastened onto the wall. A clip is already included in the scope of delivery. EL100-XS is suitable wherever there is little space, e.g. in small distribution boxes.

Apart from that there is a version for the installation in PCs – a perfect alternative for network interface cards with fiber optic connectors. This card allows connecting fiber optics without any modification in the operation system. Since many PCs do not have a separate network interface card anymore, but network jacks on the mainboard, e-light PC is a low cost solution even if no PCI slot is available any more. A cable (included in the scope of delivery) can be used to power the device from the power supply of the PC so that you only have to connect the network interface card of the PC and the media converter with a network cable.



| Typ | P-ST | H-ST | MM-ST | MM-SC | MM-SC/BIDI | SM-ST | SM-SC | SM-E2 | SM-SC/BIDI |
|---------------------------------|---|----------------------|----------------|-------------------------------|-------------------------------------|----------------|----------------|--|-------------------------------------|
| Article no. EL100-XS | 0420001 01E | 0420001 11E | 0420001 31E | 0420001 33E | 0420001 36E-BIDI A 37E-BIDI B | 0420001 51E | 0420001 53E | 0420001 55E | 0420001 56E-BIDI A 77E-BIDI B |
| FO connector | ST | ST | ST | SC | SC | ST | SC | E-2000 | SC |
| Fiber type | POF 980/1000 μm | HCS 200/230 μm | | Multimode 62.5 (50)/125 μm | | | | Singlemode 9/125 μm | |
| Optical budget | 12 dB | 8 dB | | 12 dB | | | | 16 dB | |
| FO range | 50 m (180 dB/km) | 200 m (180 dB/km) | | 5 km (1 dB/km) | | | | 30 km, others up to 100 km on request (0.3 dB/km) | |
| Wavelength | 650 nm | 850 nm | 1310 nm | | 1310 nm 1550 nm | | 1310 nm | | 1310 nm 1550 nm |
| IEEE | IEEE 802.3 10Base-T Ethernet / IEEE 802.3u 100Base-TX and 100Base-FX Fast Ethernet | | | | | | | | |
| Modified Cut Through | Cut Through modified, others on request | | | | | | | | |
| 10/100 Base TX-Port | 1 x RJ45 / Auto-Negotiation / Auto MDI/MDI-X / Supports length up to 100 m (CAT 5) | | | | | | | | |
| Status-LEDs | LINK / ACT je Port | | | | | | | | |
| Power supply | 12-24 VDC | | | | | | | | |
| Power consumption | 2.5 Watts, 100 mA (24 V) | | | | | | | | |
| Operating temperature | -40 °C – +70 °C (Multimode and Singlemode with ST or SC) / -20 °C – +55 °C (all others) | | | | | | | | |
| EMC | EN61000-6-2/EN55022 Class B + A1 + A2 | | | | | | | | |
| Weight | 200 g | | | | | | | | |
| Dimensions | 25 x 62 x 80 mm | | | | | | | | |
| Housing | Stainless steel, powder coated | | | | | | | | |