



EL100-3U / EL100-3UP

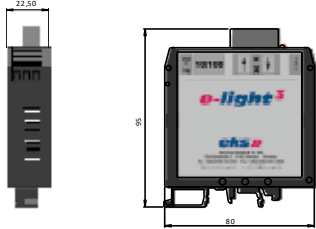
COMPACT MEDIA CONVERTER

UNMANAGED POE

The EL100-3U and EL100-3UP (with PoE-function) media converters have an extra small housing with a dimension of 82 x 93 x 22.5 mm. Its features are Auto-Negotiation and Auto MDX/MDIX.

The flat design of the housing offers an extremely high degree of flexibility for all kinds of indoor and outdoor applications. EL100-3U / EL100-3UP is suitable wherever there is little space, e. g. in small distribution boxes.

The EL100-3U / EL100-3UP standard mode is Converter Mode, if all ports work with 100 MBit/s. Otherwise the mode is Cut-Through. Optionally, the device is also available with Store & Forward mode or with Pass-Through mode if a small latency is needed.



| Typ | P-ST | H-ST | MM-ST | MM-SC | MM-SC/BIDI | SM-ST | SM-SC | SM-E2 | SM-SC/BIDI |
|--------------------------|---|----------------------|-------------------|----------------|-------------------------------------|--|----------------|----------------|-------------------------------------|
| Article no. EL100-3U | 0450001 01E | 0450001 11E | 0450001 31E | 0450001 33E | 0450001 36E-BIDI A 37E-BIDI B | 0450001 51E | 0450001 53E | 0450001 55E | 0420001 56E-BIDI A 77E-BIDI B |
| Typ | P-ST | H-ST | MM-ST | MM-SC | MM-SC/BIDI | SM-ST | SM-SC | SM-E2 | SM-SC/BIDI |
| Article no. EL100-3UP | 0460001 01E | 0460001 11E | 0460001 31E | 0460001 33E | 0460001 36E-BIDI A 37E-BIDI B | 0460001 51E | 0460001 53E | 0460001 55E | 0460001 56E-BIDI A 77E-BIDI B |
| FO connector | ST | ST | ST | SC | SC | ST | SC | E-2000 | SC |
| Fiber type | POF | HCS | Multimode | | | Singlemode | | | |
| | 980/1000 μm | 200/230 μm | 62.5 (50)/125 μm | | | 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 | TX per Port/PoE-Status (EL100-3UP only) | | | | | | | | |
| Power SUPPLY | 12–65 VDC for EL100-3U 44–57 VDC for EL100-3UP with PoE 50–57 VDC for EL100-3UP with PoE+ | | | | | | | | |
| Power CONSUMPTION | 2.4 Watts, 100 mA (24 V) for EL100-3U 2.4 Watts, 50 mA (48 V) for EL100-3UP with PoE | | | | | | | | |
| Operating temperature | –10 °C – +55 °C | | | | | | | | |
| EMC | EN61000-6-2/EN55022 Class B + A1 + A2 | | | | | | | | |
| Weight | 150 g | | | | | | | | |
| DIMENSIONS | 82 x 93 x 22.5 mm | | | | | | | | |
| HOUSING | Polyamide, black | | | | | | | | |