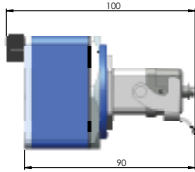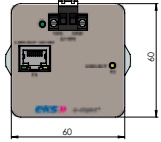# EL100-S

COMPACT
MEDIA CONVERTER

UNMANAGED
IP65

e-light S consists of a compact Ethernet media converter inclu-
ding M50 screwing and pre-assembled fiber optic cables with sin-
glemode or multimode fibers, which are available in customized
versions. The solution can be mounted to cabinet doors or ma-
chine housings with a wall thickness of up to 4 mm and simply
commissioned by using the plug-and-play principle.

Since the socket for the fiber optic cable, which as well as the con-
nector and the M50 screwing, complies with the IP65 protection
degree rating, shows to the outside, the pre-assembled cables can
be easily connected. This allows the e-light S – unlike traditional
media converters – a flexible connection of machines and mobile
applications.

Typ	Multimode	Singlemode
Article no. EL100-S	042050135EV10-00	042050155EV10-00
FO connector	Outdoor connector revos E-2000 Multimode	Outdoor connector revos E-2000 Singlemode
Fiber type	Multimode 62.5 (50) /125 µm	Singlemode 9/125 µm
Optical budget	13 dB	23 dB
FO range	5 km (1 dB/km)	15 km (0.3 dB/km)
Wavelength	1300 nm	1310 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	12–48 VDC	
Power consumption	2.5 Watts, 100 mA (24 V)	
Operating temperature	−10 °C – +50 °C	
EMC	EN61000-6-2/EN55022 Class B + A1 + A2	
Weight	350 g	
Dimensions	100 x 60 x 60 mm	
Housing	Aluminium/zinc die cast	
Mounting	mounting in housing walls with up to 4 mm thickness	
Protection class	M50 recess with IP65 sealing robust revos E-2000 Bulkhead with protection lid and IP65	
Cable	Pre-assembled cable on request	