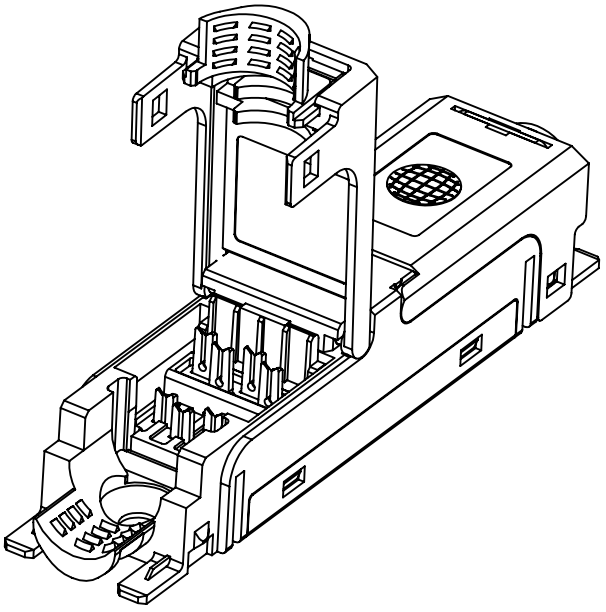
Technical Datasheet

fixLink® Extender Kat. 6_A ISO/IEC

AWG 24 - AWG 22

Order Code: CKEFFL00



Index	Revision Code	Date	Name
d	Änderung	17.03.2022	MW
c	Bestellcode	09.03.2017	GF
b	Anpassungen	20.07.2015	MJ
a	Neuerstellung	01.04.2015	MJ

drawn	01.04.2015	MJ
appr.	02.04.2015	GF

Titel:

fixLink® Extender Kat. 6_A ISO/IEC
AWG 24-22

Drawing number:

ZN-CU151027

EasyLan® ...for a better connectivity

Dimensions: mm

Original: DIN A4

Technical Data

Mechanical Characteristics	
Conductor diameter	solid 0,51-0,65 mm / AWG 24/1 - AWG 22/1
Insulation diameter	5 - 9 mm
Reusable (Module)	≤ 5 cycles with the same diameter
EC Directive 2002/95/EC (RoHS)	RoHS-compliant
Materials	
Housing	zinc diecast
Strain-relief sliver	zinc diecast
Surface	nickel plating
PCB	FR-4
PCB finish	lead-free
Insulation housing	PA light green (RAL 6027)
Contact support plate	PC yellow (RAL 1021)
IDC	CuNi2Si
IDC finish	min. 3-6 µm (120-240µin) Sn
Environmental Requirements	
Particulate ingress	IP2X
Water ingress	IPX0
Ambient temperature	-40°C to +70°C
Electrical Characteristics	
Contact resistance	≤ 20 mΩ
Insulation resistance	≥ 500 MΩ
Voltage proof - contact-contact	≥ 1000 V (DC)
Voltage proof - contact-shield	≥ 1500 V (DC)
Current carring capacity at 50°C	1,25 A
4PPoE according to IEEE 802.3bt	adequate
Transfer Impedance at 1 MHz	≤ 100 mΩ
Transfer Impedance at 10 MHz	≤ 200 mΩ
Transfer Impedance at 80 MHz	≤ 1600 mΩ
Transmission Performance	
10 Gigabit Ethernet acc. to IEEE 802.3an	adequate
Class EA	max. length of link 90m
Typical values[1)]	NEXT = 2,0 dB / RL = 4,0 dB

[1)] PL2 measurement: 20m

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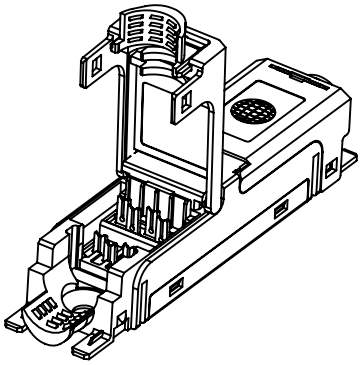
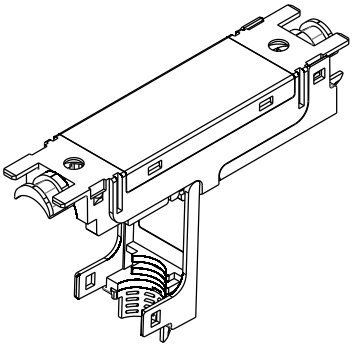
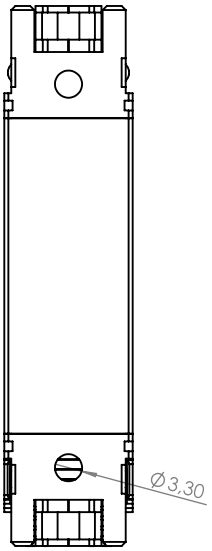
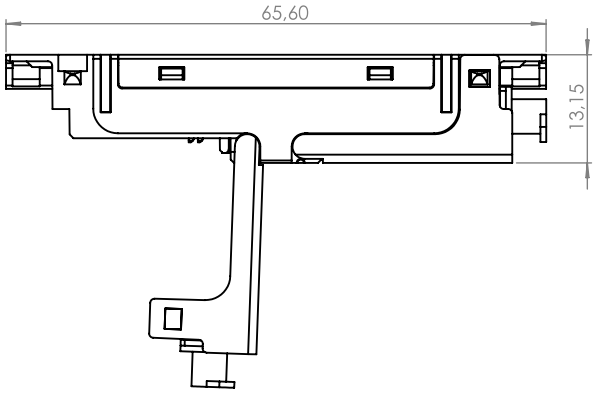
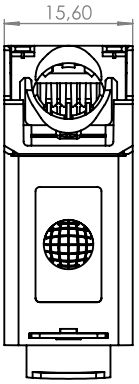
Drawing











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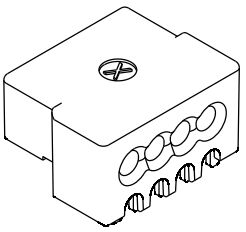
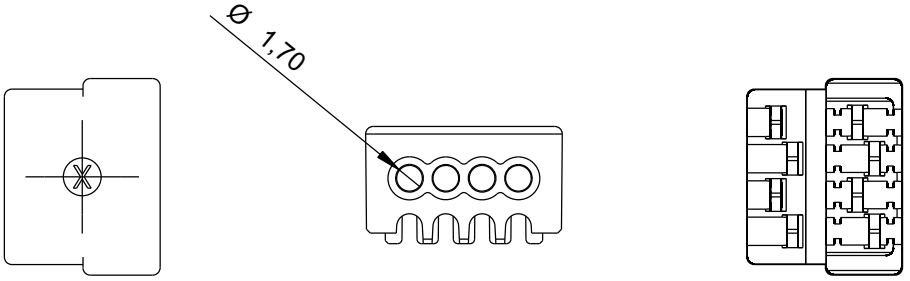
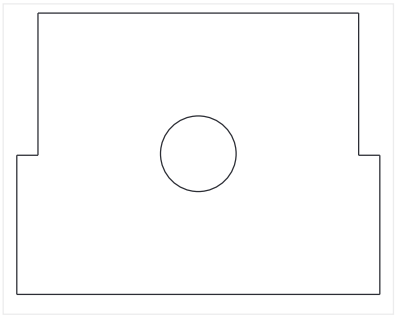
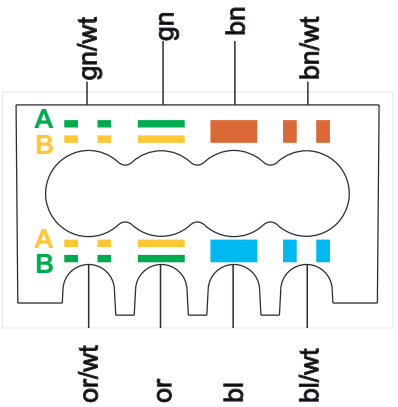


Scale 2:1

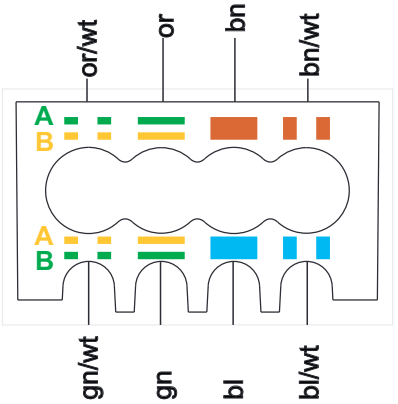


Configuration





Configuration to TIA/EIA 568 A



Configuration to TIA/EIA 568 B

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