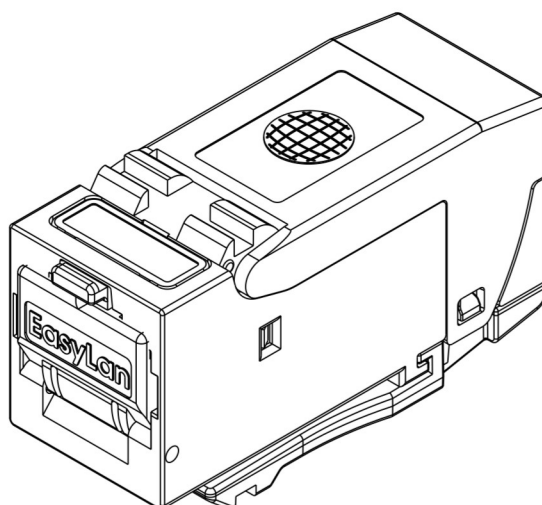


Technical Data sheet

fixLink[®] Pro Cat. 6_A ISO/IEC

AWG 24 - AWG 22

Article No. : CKFAK002 / CKFAK002EP



b a	Ergänzung Neuerstellung	24.07.2025 28.06.2022	TG LE	drawn	28.06.2022	LE
				appr.	28.06.2022	MJ
				Titel: fixLink[®] Pro Cat. 6_A ISO/IEC AWG 24 - AWG 22		
				Drawing number: ZN-CU220059		
Index	Revision code	Date	Name			
				 EasyLan[®] ...for a better connectivity		
				Dimensions: mm		
				Original: DIN A4		
				Sheet 1 of 4		

Technical Data

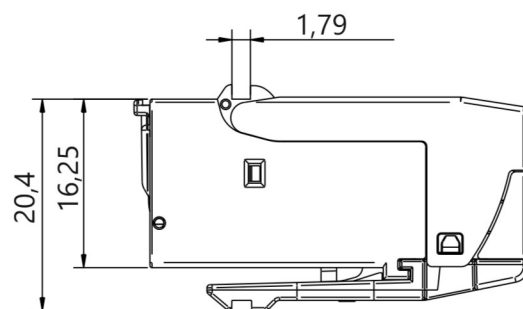
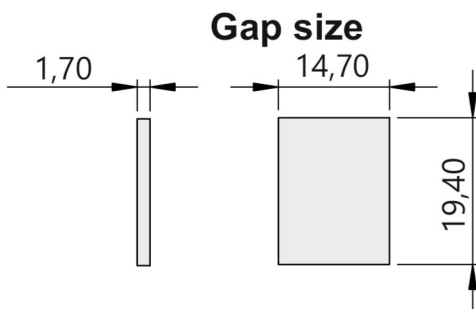
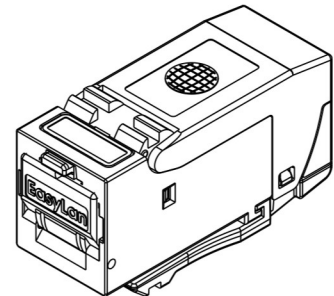
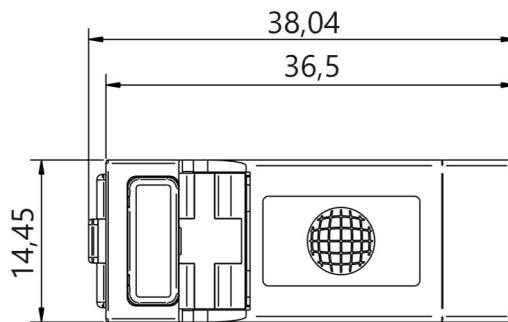
Connector standard	IEC 60603-7-51
Mechanical characteristics	
Life (mating cycles)	≥ 750
Insertion force	≤ 30N
Conductor diameter	massiv / solid 0,51-0,65 mm / AWG 24/1 - AWG 22/1
Insulation diameter	5 - 9 mm
Reusable (Module)	≤ 5 Cycles with the same diameter
EC Directive 2002/95/EC (RoHS)	RoHS-compliant
Keystone format	Yes
Design compatibility	Yes
Materials	
Housing	Zinc diecast
Strain-relief spring	Stainless steel
Surface	nickel plated
Standard dust cover	Inkluded
Shield spring	Stainless steel
PCB	FR-4
PCB finish	Chem. Ni/Au
Contacts	Spring steel
Contact finish	30µin Au
Insulation housing	PC light green (RAL 6027)
Contact support plate	PC white (RAL9010)
Dust protection Cover	PC transparent
IDC	CuNi2Si
IDC finish	min. 3-6 µm (120-240µin) Sn
Panel spring	Plastic
Protection class	IP20
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 carrying capacity at 50°C	1,25 A
Shielded	Yes
PoE (IEEE802.af) 15,4W	Suitable
PoE+ (IEEE802.3at) 30W	Suitable
PoE++ / 4PPoE (IEEE802.3bt) bis 100W	Suitable
Transfer Impedance at 1 MHz	≤ 100 mΩ
Transfer Impedance at 10 MHz	≤ 200 mΩ
Transfer Impedance at 80 MHz	≤ 1600 mΩ

b a	Ergänzung Neuerstellung	24.07.2025 28.06.2022	TG LE	drawn	28.06.2022	LE
				appr.	28.06.2022	MJ
				Titel: fixLink® Pro Cat. 6_A ISO/IEC AWG 24 - AWG 22		
				Drawing number: ZN-CU220059		
Index	Revision code	Date	Name	 EasyLan® ...for a better connectivity		
				Dimensions: mm		
				Original: DIN A4		
				Sheet 2 of 4		

Technical Data

Environmental Requirements	
Particulate ingress	IP2X
Water ingress	IPX0
Ambient temperature	-40°C bis / to +70°C
Packaging material	bio-degradable
Transmission Performance	
10 Gigabit Ethernet acc. to IEEE 802.3an	Adequate
GHMT PVP	Certified
Categorie 6	ISO/IEC 11801
Categorie 6 _A	ISO/IEC 11801; EIA/TIA 568; DIN EN 50173-1
Class EA	acc. ISO/IEC 11801 Amendment 1/2 typical link length > 2 m, in combination with a CP-cable: CP-Link typ. > 10 m 10 GbE is supported
Packaging	24 or 1 piece per karton

Drawing



Gap size



Dimensions: mm

Original: DIN A4

Sheet 3 of 4

drawn 28.06.2022 LE

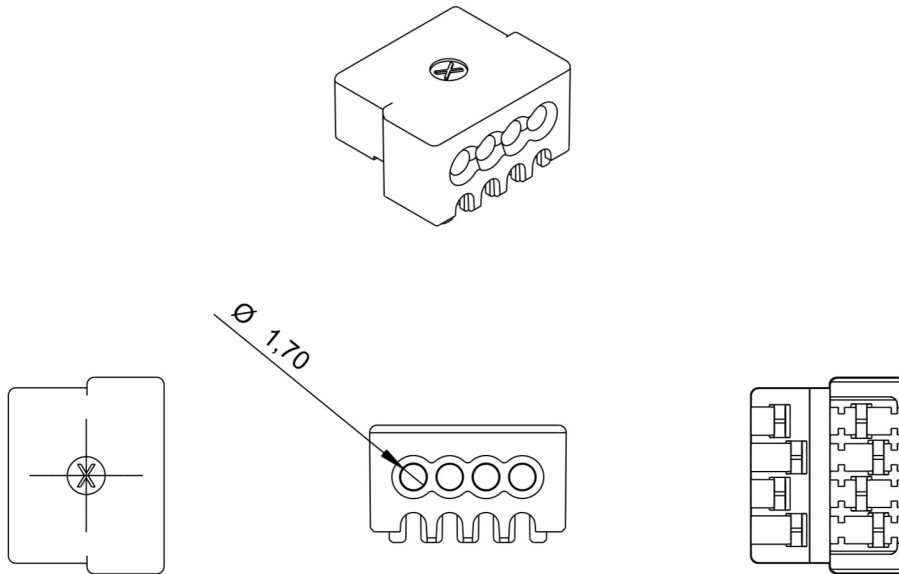
appr. 28.06.2022 MJ

Titel:
fixLink[®] Pro Cat. 6_A ISO/IEC
AWG 24 - AWG 22

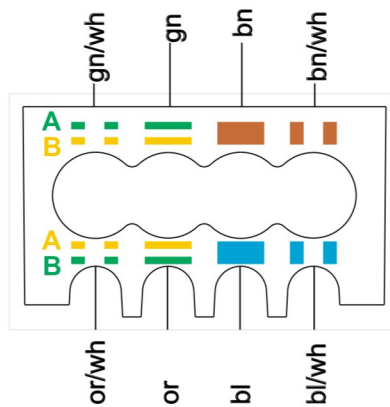
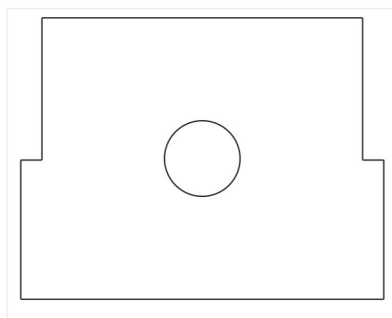
Drawing number:
ZN-CU220059

b a	Ergänzung Neuerstellung	24.07.2025 28.06.2022	TG LE
Index	Revision code	Date	Name

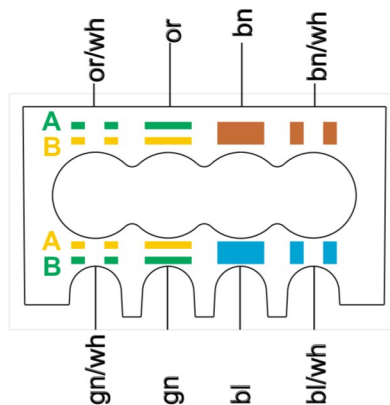
Drawing



Configuration



Configuration to
TIA/EIA 568 A



Configuration to
TIA/EIA 568 B

b a	Ergänzung Neuerstellung	24.07.2025 28.06.2022	TG LE	drawn	28.06.2022	LE	 EasyLan® ...for a better connectivity
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				Titel: fixLink® Pro Cat. 6_A ISO/IEC AWG 24 - AWG 22			
				Drawing number: ZN-CU220059			
Index	Revision code	Date	Name	Sheet 4 of 4			