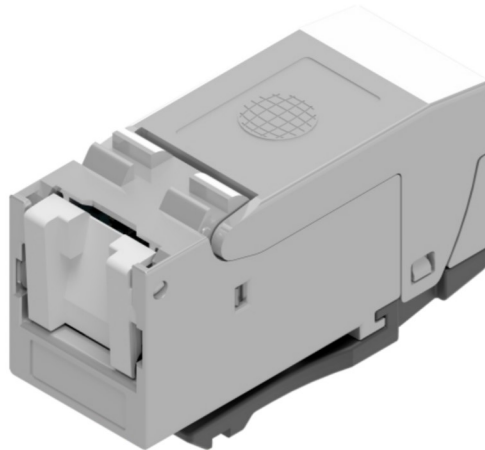


Technical Datasheet

fixLink[®] Pro+ RJ45 shielded 40G Cat. 8.1 ISO/IEC AWG 26 - AWG 22

Item No. : CKFAK002P+ / CKFAK002P+EP



e d c b a	Anpassung Anpassung Änderung Änderung Neuerstellung	24.07.2025 24.06.2025 20.03.2025 08.02.2023 28.06.2022	TG TG TG LE LE	drawn	28.06.2022	LE	 EasyLan[®] ...for a better connectivity
				appr.	28.06.2022	MJ	
				Titel: fixLink [®] Pro+ RJ45 Keystone shielded 40G Cat. 8.1 ISO/IEC AWG 26 - AWG 22			
				Drawing number:			
				ZN-CU220062			
Index	Revision code	Date	Name				Dimensions: mm
							Original: DIN A4
							Sheet 1 of 4

Technical Data

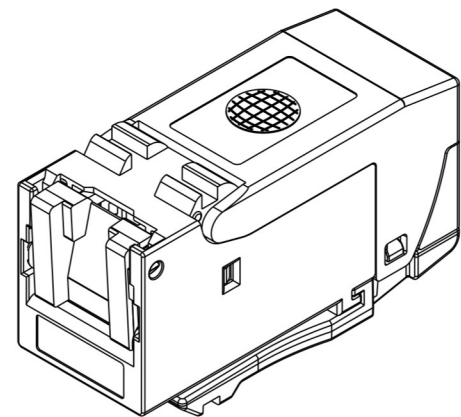
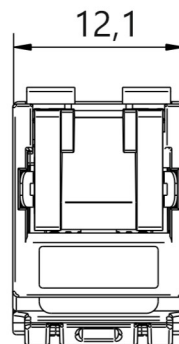
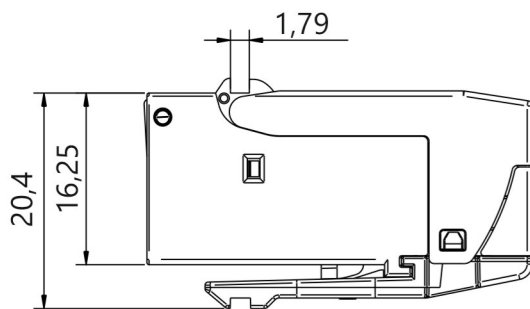
Connector Standard	IEC 60603-7-81
Mechanical Characteristics	
Life (mating cycles)	≥ 750
Insertion force	≤ 30N
Conductor diameter	flex / solid / AWG 26/7 - AWG 22/1
Insulation diameter	5 - 9 mm
Reusable (Module)	≤ 5 Cycles with the same diameter
EC Directive 2002/95/EC (RoHS)	RoHS-compliant
Keystone format	Yes
Design compatibility	Yes
Materials	
Housing	Zinc diecast
Strain-relief spring	Stainless steel
Surface	Nickel plated
Dust protection flap	Automatic / integrated
Shield spring	Stainless steel
PCB	FR-4
PCB finish	Chem. Ni/Au
Contacts	Spring steel
Contact finish	1,27 µm / 50µin Au
Insulation housing	PC limegreen
Contact support plate	PC white
Dust protection Cover	PC transparent
IDC	CuNi2Si
IDC finish	min. 3-6 µm (120-240µin) Sn
Wide-range cutting clamping contact	Yes
Protection class	IP20
Panel spring	Plastic
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 (IEEE 802.af) 15,4W	Adequate
PoE+ (IEEE 802.3at) 30W	Adequate
PoE++ / 4PPoE (IEEE 802.3bt) bis 100W	Adequate
Transfer Impedance at 1 MHz	≤ 100 mΩ
Transfer Impedance at 10 MHz	≤ 200 mΩ
Transfer Impedance at 80 MHz	≤ 1600 mΩ

e d c b a	Anpassung Anpassung Änderung Änderung Neuerstellung	24.07.2025 24.06.2025 20.03.2025 08.02.2023 28.06.2022	TG TG TG LE LE	drawn	28.06.2022	LE
				appr.	28.06.2022	MJ
				Titel: fixLink® Pro+ RJ45 Keystone shielded 40G Cat. 8.1 ISO/IEC AWG 26 - AWG 22		
				Drawing number: ZN-CU220062		
Index	Revision code	Date	Name			
				Dimensions: mm		
				Original: DIN A4		
				Sheet 2 of 4		

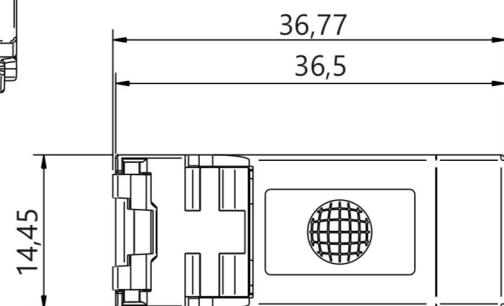
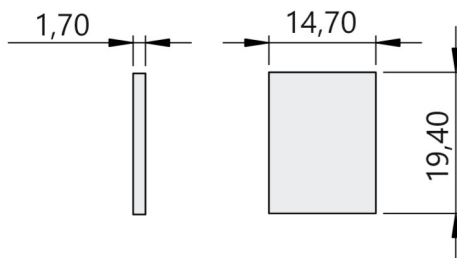
Technical Data

Environmental Requirements	
Particulate ingress	IP2X
Water ingress	IPX0
Ambient temperature	-40°C bis / to +70°C
Packaging material	bio-degradable
Transmission Performance	
25/40 Gigabit Ethernet acc. to IEEE 802.3bq	Adequate
10 Gigabit Ethernet acc. to IEEE802.3an	Adequate
40G (>30m)	acc. to ISO/IEC 11801
25G (>50m)	acc. to ISO/IEC TR 11801-9909
25G (>30m)	acc. to ISO/IEC TR 11801-9905
Cat. 8.1	acc. to ISO/IEC 11801-1
GHMT	Type sample certificate
Class EA	conc. 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
Class I to 2GHz	ISO/IEC 11801-1
Packaging	24 or 1 piece per karton

Drawing

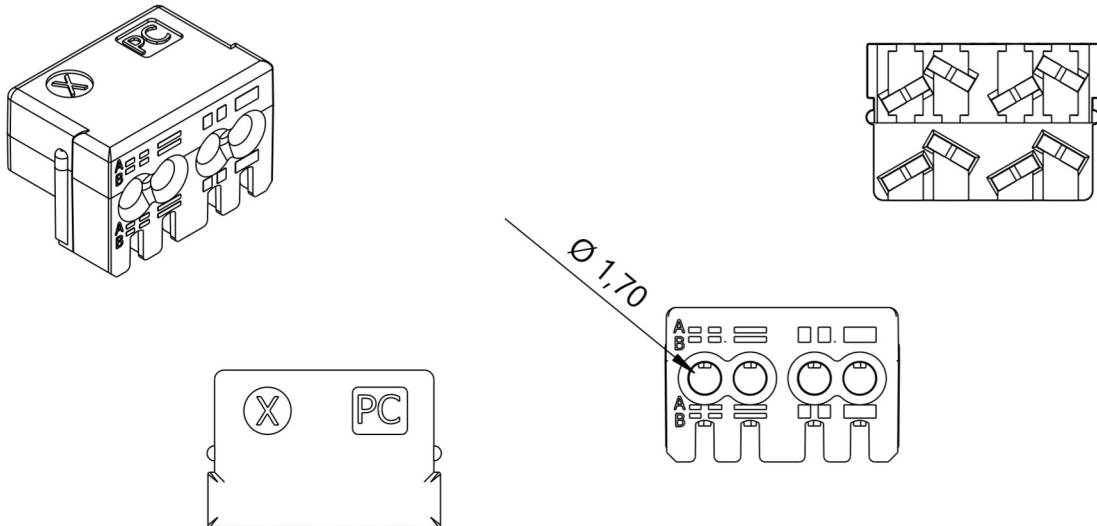


Gap size



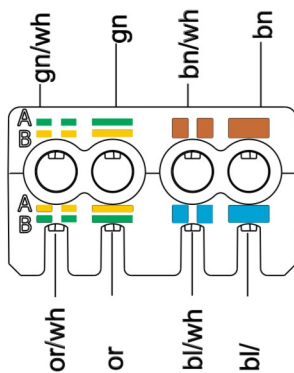
e d c b a	Anpassung Anpassung Änderung Änderung Neuerstellung	24.07.2025 24.06.2025 20.03.2025 08.02.2023 28.06.2022	TG TG TG LE LE	drawn	28.06.2022	LE
				appr.	28.06.2022	MJ
				Titel: fixLink® Pro+ RJ45 Keystone shielded 40G Cat. 8.1 ISO/IEC AWG 26 - AWG 22		
				Drawing number: ZN-CU220062		
Index	Revision code	Date	Name	 EasyLan® ...for a better connectivity		
				Dimensions: mm		
				Original: DIN A4		
				Sheet 3 of 4		

Drawing

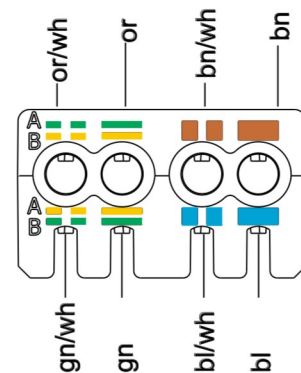


Configuration

Configuration to
TIA/EIA 568 A



Configuration to
TIA/EIA 568 B



e d c b a	Anpassung Anpassung Änderung Änderung Neuerstellung	24.07.2025 24.06.2025 20.03.2025 08.02.2023 28.06.2022	TG TG TG LE LE	drawn	28.06.2022	LE
				appr.	28.06.2022	MJ
				Titel: fixLink® Pro+ RJ45 Keystone shielded 40G Cat. 8.1 ISO/IEC AWG 26 - AWG 22		
				Drawing number:		
Index	Revision code	Date	Name	ZN-CU220062		
				 EasyLan® ...for a better connectivity		
				Dimensions: mm		
				Original: DIN A4		
				Sheet 4 of 4		