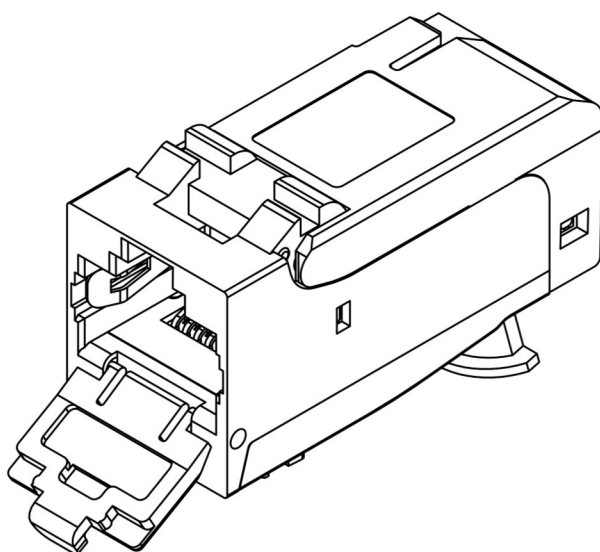


Technical Data sheet

fixLink[®] Cat. 6_A ISO/IEC WA AWG 24 - AWG 22

Item No. : CKWAK007 / CKWAK007EP



e d c b a	Ergänzung Änderung PoE überarbeitet Bestellcode Neuerstellung	24.07.2025 03.11.2022 17.07.2017 09.03.2017 01.07.2016	TG MW MJ GF MJ	drawn	01.07.2016	MJ	 EasyLan [®] ...for a better connectivity
				appr.	04.07.2016	GF	
				Titel: fixLink[®] Cat. 6_A ISO/IEC WA AWG 24 - AWG 22			Dimensions: mm
				Drawing number: ZN-CU161034			Original: DIN A4
Index	Revision code	Date	Name				Sheet 1 of 4

Technical Data

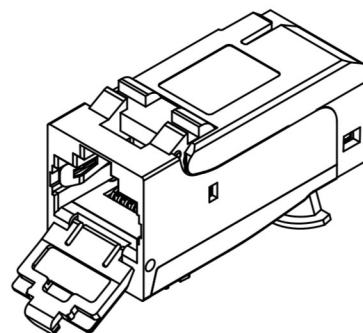
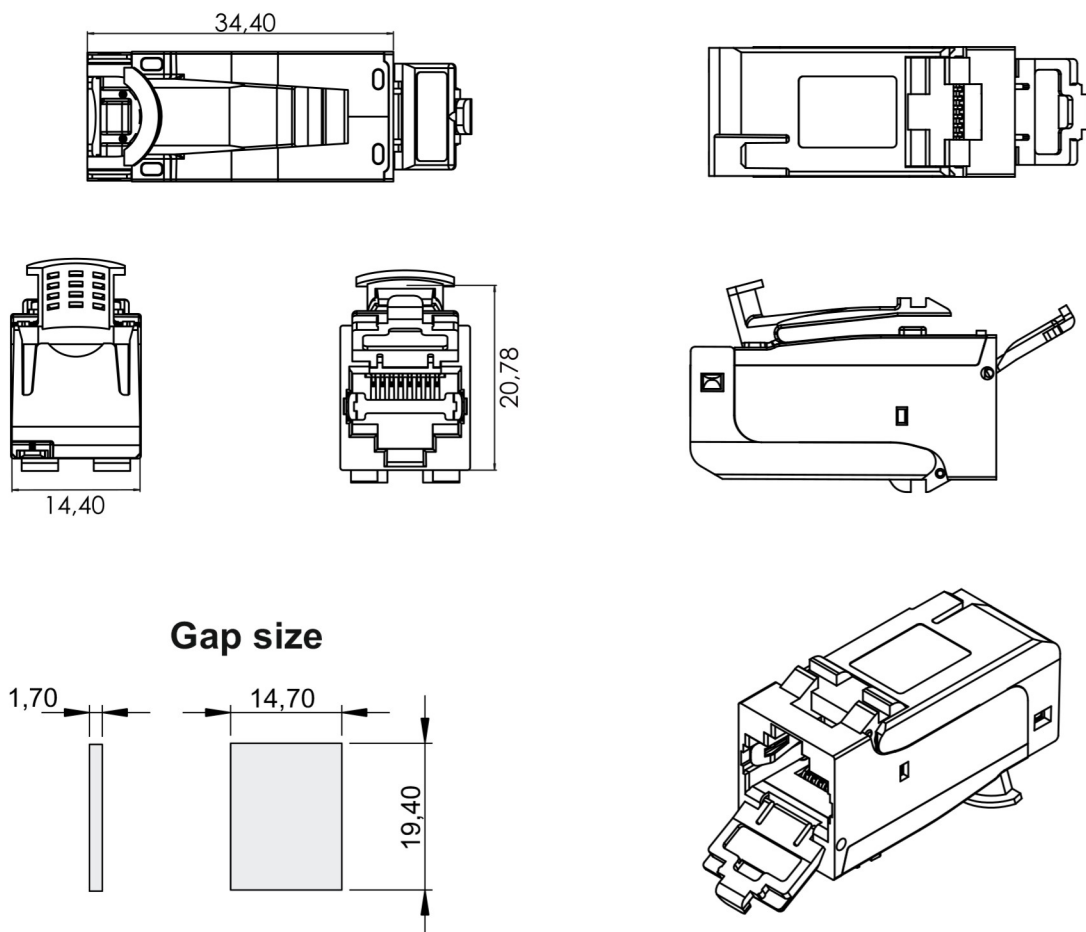
Connector Standard	IEC 60603-7-51
Mechanical Characteristics	
Life (mating cycles)	≥ 750
Insertion force	≤ 30N
Conductor diameter	massiv / solid 0,51-0,65 mm / AWG 24/1 - AWG 22/1
Insulation diameter	5 - 9 mm
Reusable (Module)	≤ 5 cycles with the same diameter
EC Directive 2002/95/EC (RoHS)	RoHS-compliant
Keystone format	yes
Design compatibility	yes
Materials	
Housing	zinc diecast
Standard dust cover	included
Strain-relief sliver	zinc diecast
Surface	nickel plated
Shield spring	stainless steel
PCB	FR-4
PCB finish	HAL lead-free
Contacts	spring steel
Contact finish	1,27 µm / 30µin Au
Insulation housing	PA light green (RAL 6027)
Contact support plate	PC yellow (RAL 1021)
Protection class	IP20
Dust protection Cover	PC clear
IDC	CuNi2Si
IDC finish	min. 3-6 µm (120-240µin) Sn
Panel spring	die-cast zinc
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	Suitable
PoE+ (IEEE 802.3at) 30W	Suitable
PoE++ / 4PPoE (IEEE 802.3bt) bis 100W	Suitable
Transfer Impedance at 1 MHz	≤ 100 mΩ
Transfer Impedance at 10 MHz	≤ 200 mΩ
Transfer Impedance at 80 MHz	≤ 1600 mΩ

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				fixLink® Cat. 6 _A ISO/IEC WA AWG 24 - AWG 22		
Index	Revision code	Date	Name	Drawing number: ZN-CU161034		
				 EasyLan® ...for a better connectivity		
				Dimensions: mm		
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				Sheet 2 of 4		

Technical Data

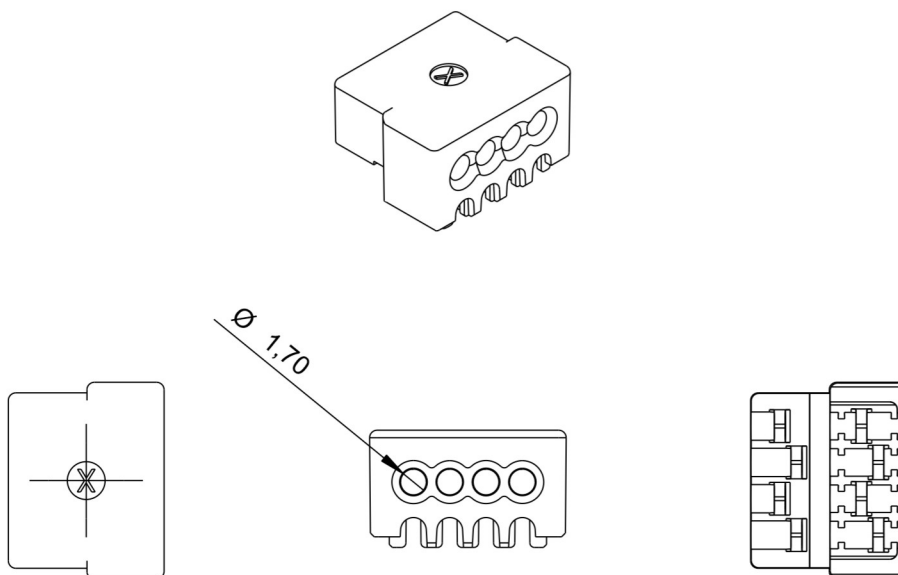
Environmental Requirements	
Particulate ingress	IP2X
Water ingress	IPX0
Ambient temperature	-40°C to +85°C
Packaging material	bio-degradable
Transmission Performance	
10 Gigabit Ethernet acc. to IEEE 802.3an	adequate
GHMT PVP	certified
PoE GHMT approved (PoE type III / IV)	DIN IEC 60512-99-001:2015 & DIN IEC 60512-9-3:2010
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

Drawing

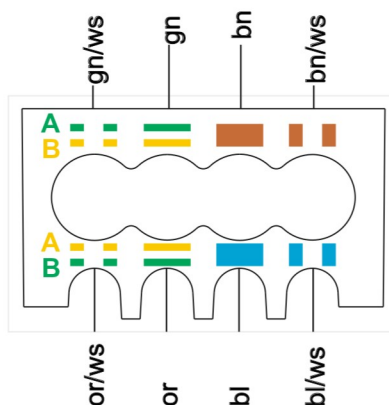
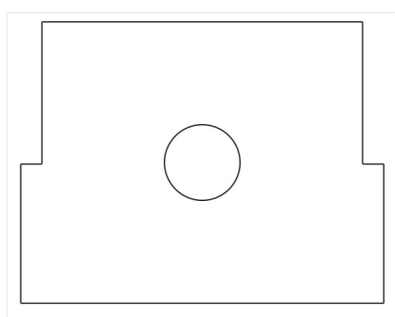


e d c b a	Ergänzung Änderung PoE überarbeitet Bestellcode Neuerstellung	24.07.2025 03.11.2022 17.07.2017 09.03.2017 01.07.2016	TG MW MJ GF MJ	drawn	01.07.2016	MJ
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Index	Revision code	Date	Name	 EasyLan® ...for a better connectivity		
				Dimensions: mm		
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				Sheet 3 of 4		

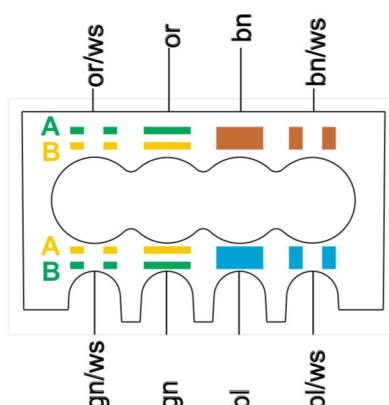
Drawing



Configuration



Configuration to
TIA/EIA 568 A



Configuration to
TIA/EIA 568 B

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				Drawing number: ZN-CU161034			
Index	Revision code	Date	Name				Dimensions: mm
							Original: DIN A4
							Sheet 4 of 4