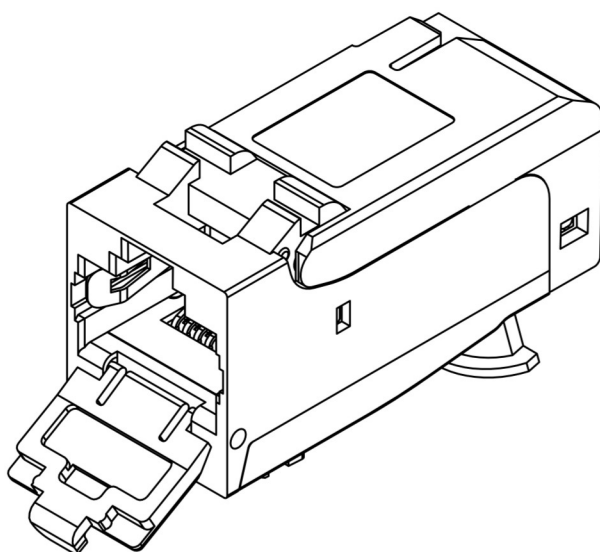


Technical Data sheet

fixLink® Cat. 6_A ISO/IEC WA AWG 27 - AWG 26

Item No. : CKWAKFL7 / CKWAKFL7EP



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 27 - AWG 26			Dimensions: mm
				Drawing number: ZN-CU161035			Original: DIN A4
Index	Revision code	Date	Name				Sheet 1 of 4

Technical Data

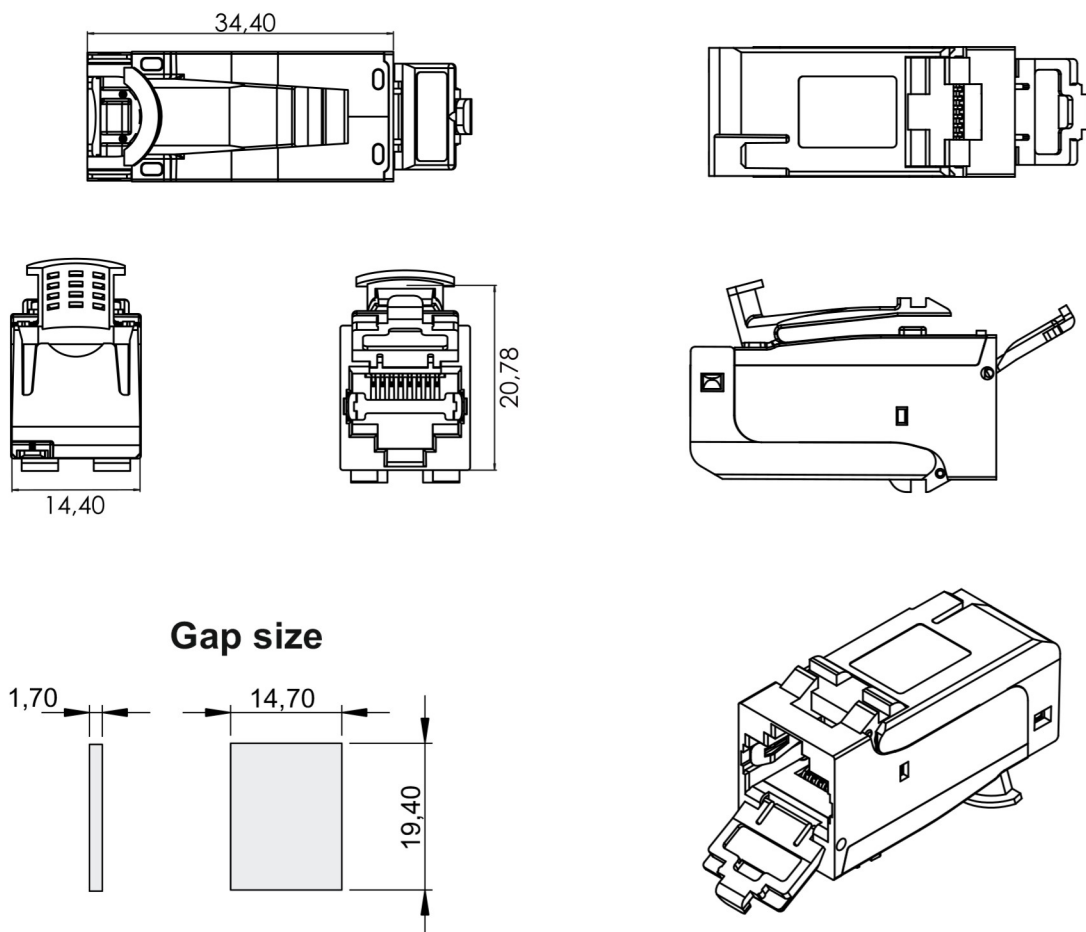
Connector Standard	IEC 60603-7-51
Mechanical Characteristics	
Life (mating cycles)	≥ 750
Insertion force	≤ 30N
Conductor diameter	flex / stranded 0,457-0,483 mm / AWG 27/7 - AWG 26/7
Insulation diameter	5 - 9 mm
Reusable (Module)	≤ 5 cycles with the same diameter
EC Directive 2002/95/EC (RoHS)	RoHS-compliant
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	30µin Au
Insulation housing	PA light green (RAL 6027)
Contact support plate	PC white (RAL 9010)
Dust protection cover	PC clear
IDC	CuNi2Si
IDC finish	min. 3-6 µm (120-240µin) Sn
Protection class	IP20
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

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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				Titel: fixLink® Cat. 6_A ISO/IEC WA AWG 27 - AWG 26		
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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



Dimensions: mm

Original: DIN A4

Sheet 3 of 4

drawn 01.07.2016 MJ

appr. 04.07.2016 GF

Titel:

fixLink® Cat. 6_A ISO/IEC WA
AWG 27 - AWG 26

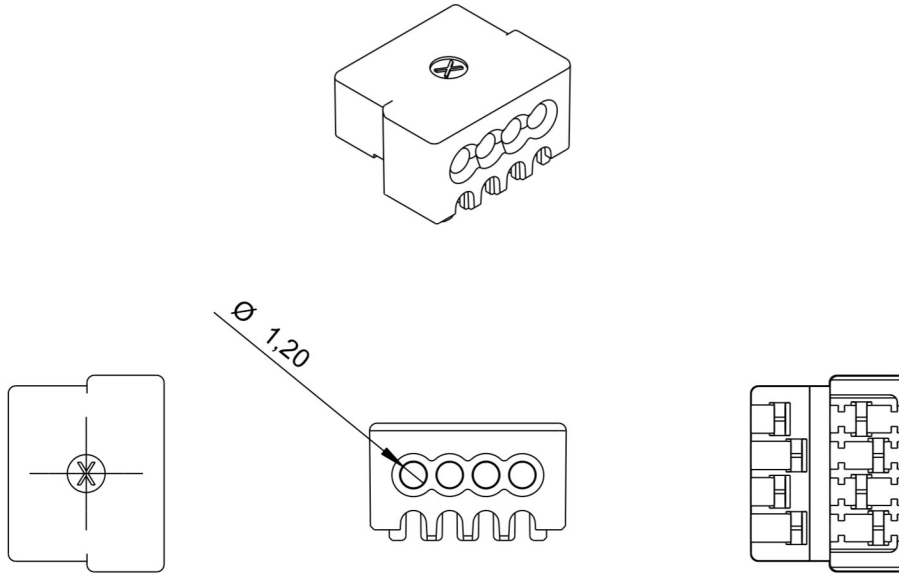
Drawing number:

ZN-CU161035

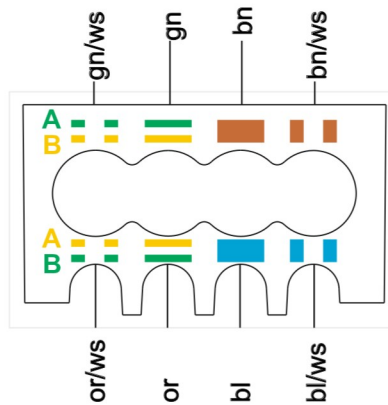
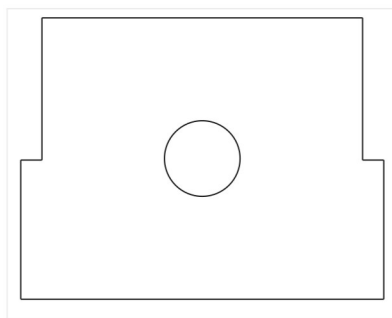
Index Revision code Date Name

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

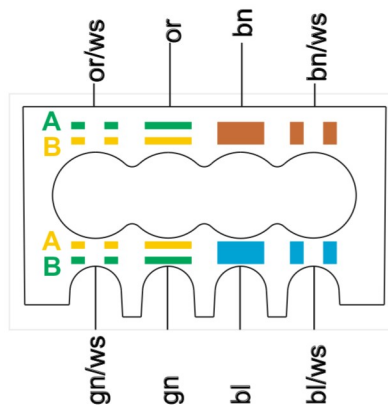
Drawing



Configuration



Configuration to
TIA/EIA 568 A



Configuration to
TIA/EIA 568 B

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
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				Titel: fixLink[®] Cat. 6_A ISO/IEC WA AWG 27 - AWG 26			
				Drawing number:			
				ZN-CU161035			
Index	Revision code	Date	Name	Dimensions: mm			
				Original: DIN A4			
				Sheet 4 of 4			