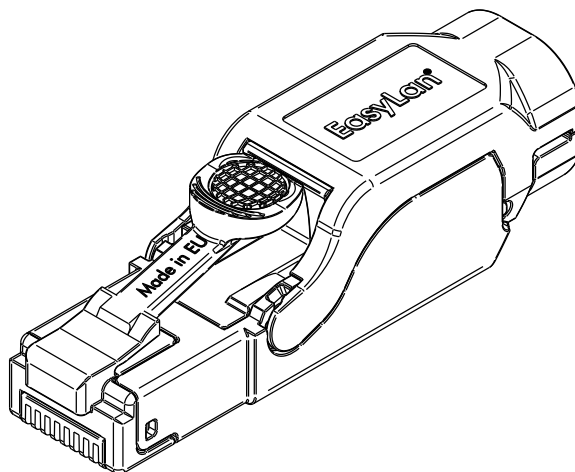


Technical Data sheet

fixLink[®] RJ45 Plug *Cat. 6_A ISO/IEC* *AWG26-22*

Article No. : CKFFK001



b a	Änderung Neuerstellung	06.11.2023 28.06.2022	MW LE	drawn	28.06.2022	LE	 EasyLan® ...for a better connectivity
				appr.	28.06.2022	MJ	
				Titel: fixLink® RJ45 Plug Cat. 6A ISO/IEC AWG 26 - AWG 22			
				Drawing number: ZN-CU220058			
Index	Revision code	Date	Name				Dimensions: mm
							Original: DIN A4
							Sheet 1 of 4

Technical Data

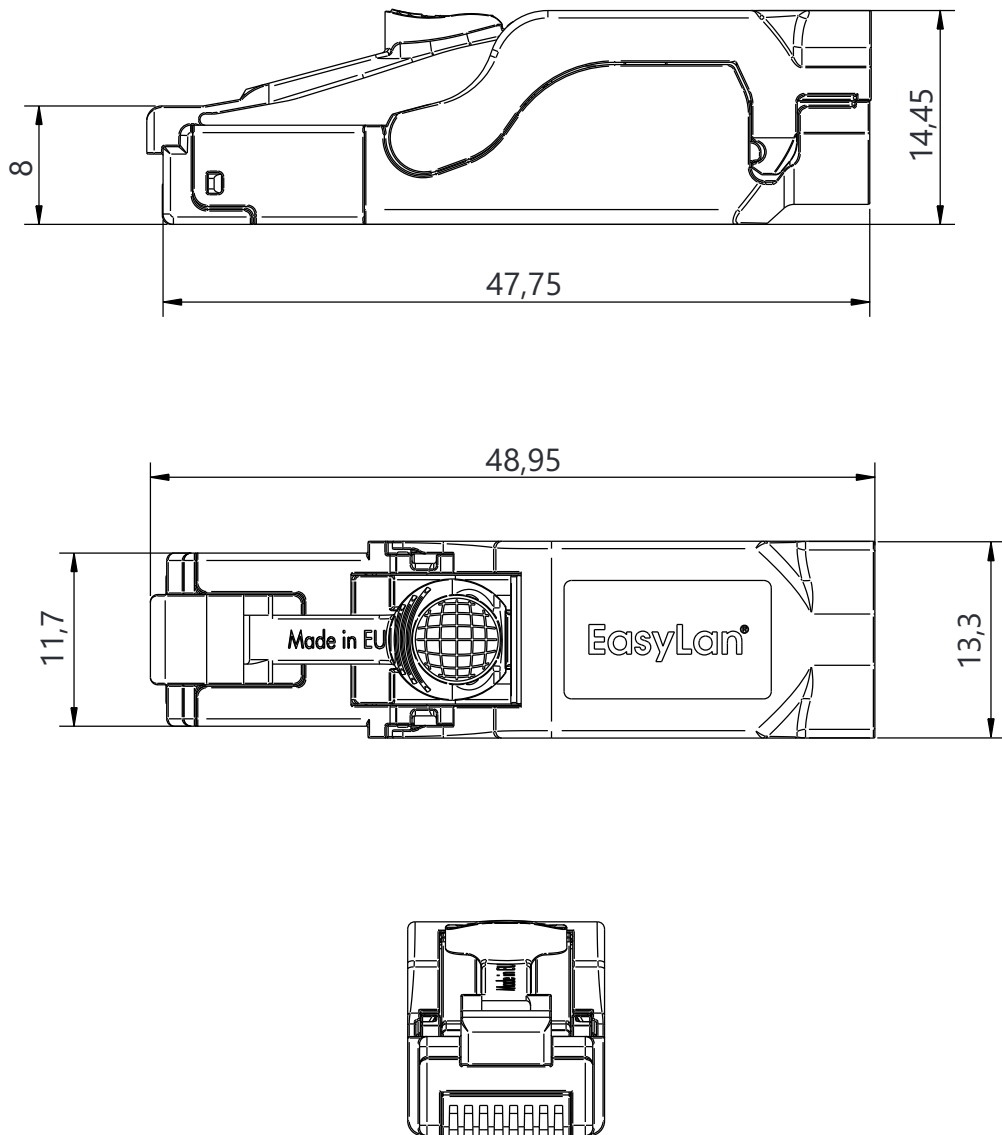
Connector Standard	IEC 60603-7
Mechanical Characteristics	
Life (mating cycles)	≥ 750
Conductor diameter	AWG 26 - AWG 22
Insulation diameter	5 - 9 mm
Reusable (Plug)	≤ 5 cycles with the same diameter
EC Directive 2002/95/EC (RoHS)	RoHS-compliant
Materials	
Housing	Zinc diecast
Strain-relief spring	Stainless steel
Surface	Nickel plated
Shield spring	Stainless steel
PCB	FR-4
PCB finish	Chem. Ni/Au
RJ45 Contacts	CuSn6-H 50µin Au
IDC Contacs	CuSn6 tin plated 100µin
Insulation housing	PC light green (RAL 6027)
Contact support plate	PC black (RAL 9005)
Contact insulation	PC transparent
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
Packaging material	bio-degradable
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
PoE+ acc. to IEEE 802.3at / 4PPoE acc. to IEEE 802.3bt	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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Index	Revision code	Date	Name				Dimensions: mm
							Original: DIN A4
							Sheet 2 of 4

Technical Data

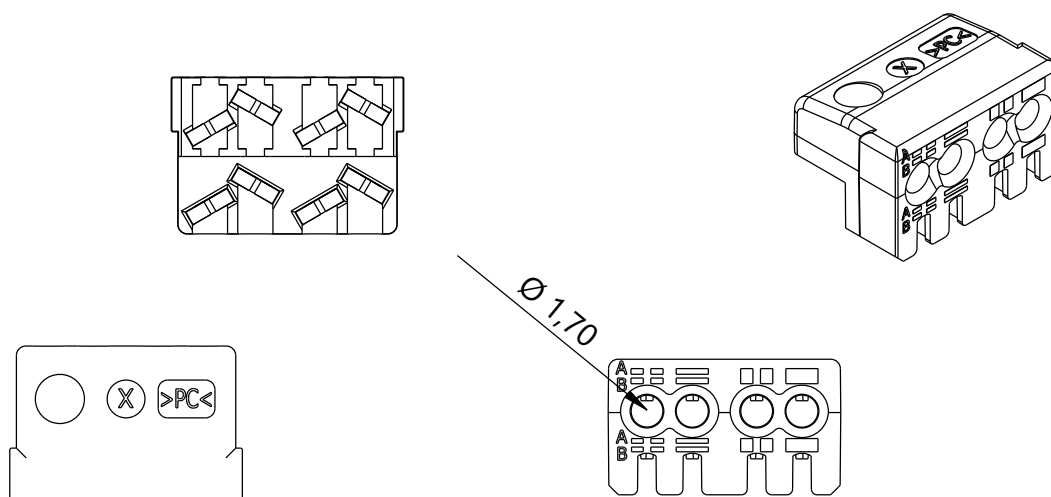
Transmission Performance	
10 Gigabit Ethernet acc. to IEEE 802.3an	Adequate
Categorie 6 _A	ISO/IEC 11801; DIN EN 50173-1
Packaging	1 piece per karton

Drawing



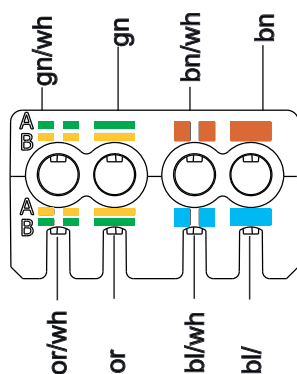
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Index	Revision code	Date	Name	Dimensions: mm			
				Original: DIN A4			
				Sheet 3 of 4			

Drawing

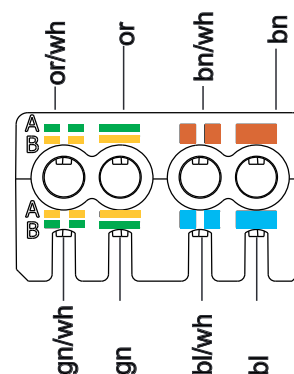


Configuration

Configuration to
TIA/EIA 568 A



Configuration to
TIA/EIA 568 B



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				appr.	28.06.2022	MJ
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				Original: DIN A4		
				Sheet 4 of 4		