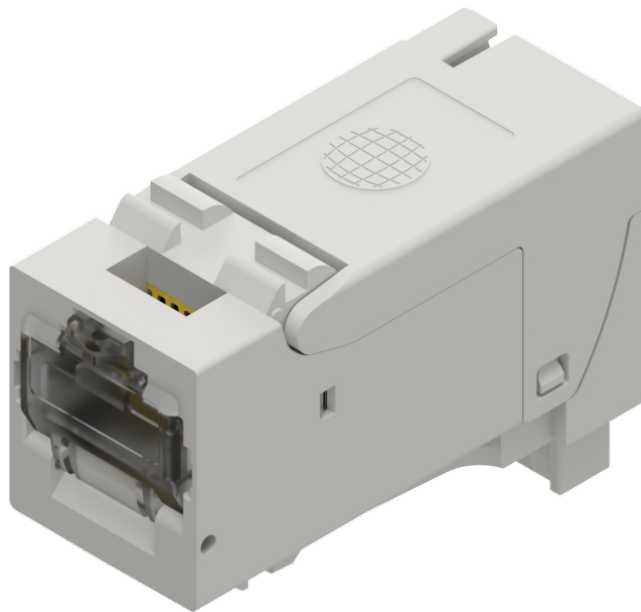


Technical data sheet

*EasyLan[®] basicLink Pro RJ45 Keystone
shielded Cat.6_A (ISO/IEC)*

AWG 24 - AWG 22

Item No. : CKFEK002



				drawn	28.05.2025	TG	 EasyLan [®] ...for a better connectivity
				appr.	28.05.2025	MW	
				Titel: EasyLan [®] basicLink Pro RJ45 Keystone shielded Cat.6 _A ISO/IEC AWG 24 - 22			
a	Neuerstellung	28.05.2025	TG	Drawing number: ZN-CU250130			Dimensions: mm Original: DIN A4 Sheet 1 of 4
Rev. Index	Revision code	Date	Name				

Technical Data

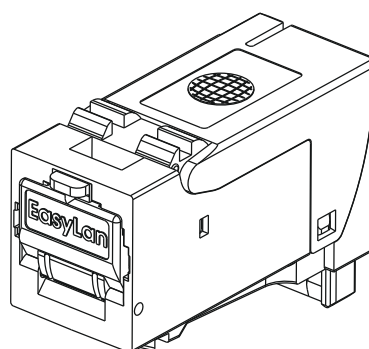
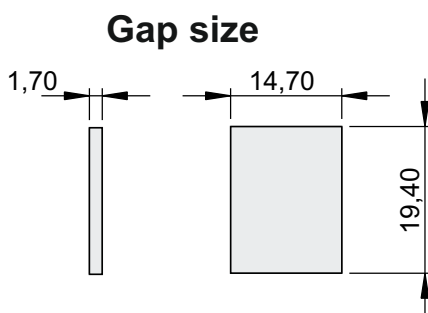
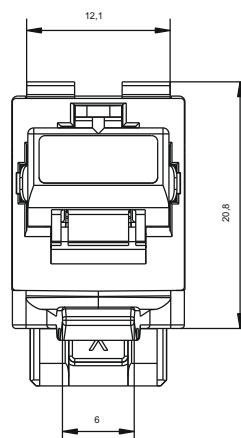
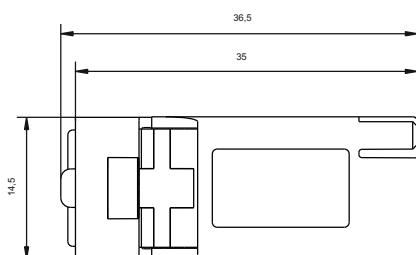
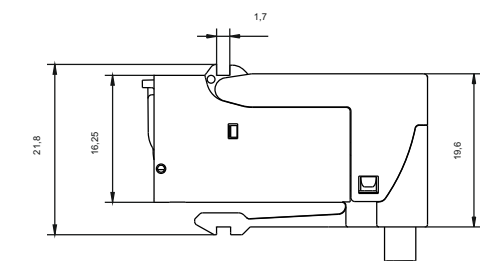
Connector standard	IEC 60603-7-51
Mechanische Eigenschaften	
Life (mating cycles)	≥ 750
Insertion force	≤ 30N
Conductor diameter	massiv / solid 0,51-0,65 mm / AWG 24/1 - AWG 22/1
Insulation diameter	5 - 9 mm
Reusable (Module)	≤ 5 cycles with the same diameter
EC Directive 2002/95/EC (RoHS)	RoHS-compliant
Materials	
Housing	zinc diecast
Strain-relief sliver	zinc diecast
Shield spring	stainless steel
PCB	FR-4
PCB finish	HAL lead-free
Contacts	spring steel
Contact finish	0,762 µm / 30µin Au
Insulation housing	PA aqua (RAL 2107020)
Contact support plate	PC yellow (RAL 1021)
Dust protection cover	PC clear
IDC	CuSn6
IDC finish	min. 3-6 µm (120-240µin) Sn
Swiveling Cover	zinc diecast
Wiremanager	PC
Support Plate	Pa6
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+ according to IEEE 802.3at	adequate
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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EasyLan® basicLink Pro RJ45 Keystone shielded Cat.6 _A ISO/IEC AWG 24 - 22			Dimensions: mm				
a	Neuerstellung	28.05.2025	TG	Drawing number:			Original: DIN A4
Rev. Index	Revision code	Date	Name	ZN-CU250130			Sheet 2 of 4

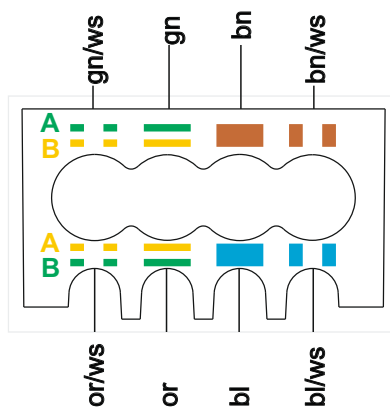
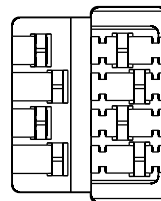
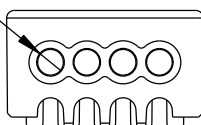
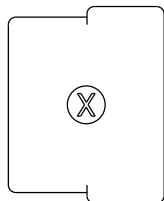
Technical Data

Environmental Requirements	
Particulate ingress	IP2X
Water ingress	IPX0
Ambient temperature	-40°C to +70°C
Packaging material	bio-degradable
Transmission Performance	
10 Gigabit Ethernet acc. to IEEE 802.3an	adequate
Categorie 6A	ISO/IEC 11801; DIN EN 50173-1
Class EA	typical link length > 2 m, in combination with a CP-cable: CP-Link typ. > 10 m 10 GbE is supported

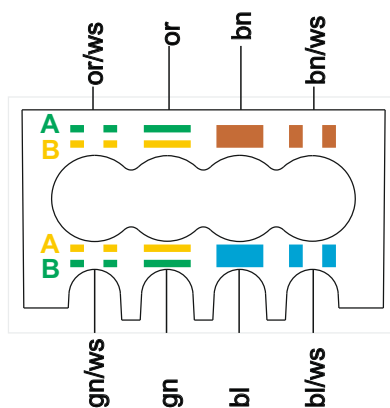
Drawing



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Rev. Index	Revision code	Date	Name	ZN-CU250130			Dimensions: mm
							Original: DIN A4
							Sheet 3 of 4

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Configuration to
TIA/EIA 568 A



Configuration to
TIA/EIA 568 B

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Rev. Index	Revision code	Date	Name				Original: DIN A4
							Sheet 4 of 4