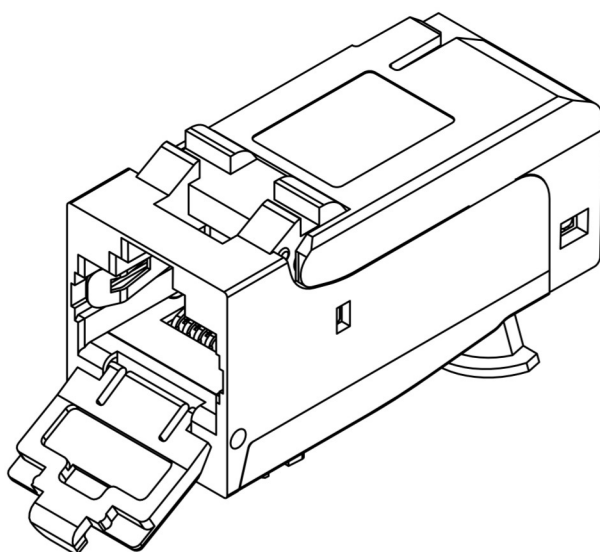


Technical Datasheet


preLink[®] Cat. 6_A ISO/IEC WA

AWG 27 - AWG 26

Article No. : CKWAS021 / CKWAS021EP




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c b a	Anpassung Neuerstellung Neuerstellung	30.07.2025 10.06.2025 16.12.2020	TG MW LP	drawn	16.12.2020	LP	 EasyLan [®] ...for a better connectivity		
				appr.	16.12.2020	MJ			
				Titel:				Dimensions: mm	
				preLink [®] Cat. 6 _A ISO/IEC WA AWG 27 - AWG 26				Original: DIN A4	
Index	Revision code	Date	Name	Drawing number:		Sheet 1 of 4			
				ZN-CU200574					

Technical Data

Connector Standard	IEC 60603-7-51
Mechanical Characteristics	
Life (mating cycles)	≥ 750
Insertion force	≤ 30N
Conductor diameter	flex / stranded 0,457-0,483mm / AWG 27/7 - AWG 26/7
Insulation diameter	5 - 9 mm
Reusable (Module)	≥ 25 cycles
Reusable (Connection block)	0 cycles
EC Directive 2002/95/EC (RoHS)	RoHS-compliant
Keystone format	Yes
Design compatibility	Yes
Materials	
Housing	zinc diecast
Strain-relief sliver	zinc diecast
Surface	nickel plating
Standard dust cover	Inkluded
Shield spring	stainless steel
Dust protection cover	PC clear
PCB	FR-4
PCB finish	chem. NiAu
Contacts	spring steel
Contact finish (RJ45)	1,27 µm / 30µin Au
Contact finish (connection block)	0,762 µm / 30µin Au
Insulation housing	PA light green (RAL 6027)
Connection block	PC yellow clear
IDC	CuSn6
IDC finish	contact area 0,762 µm / 30µin Au
Protection class	IP20
Panel spring	Die-cast zinc
Environmental Requirements	
Particulate ingress	IP2X
Water ingress	IPX0
Ambient temperature	-40°C to +70°C

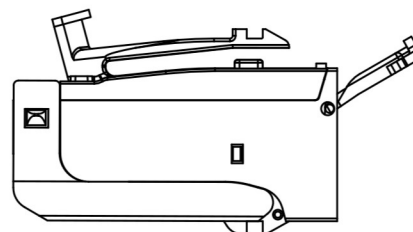
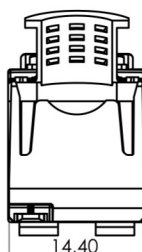
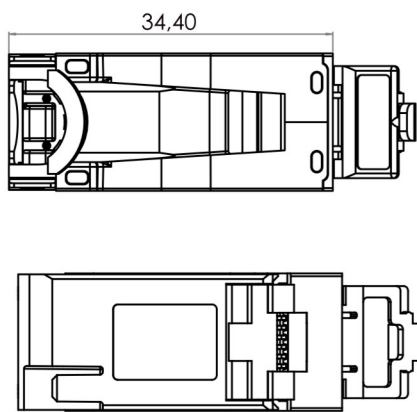
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				Drawing number: ZN-CU200574				Original: DIN A4
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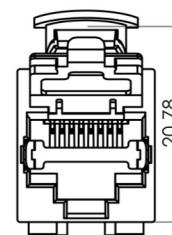
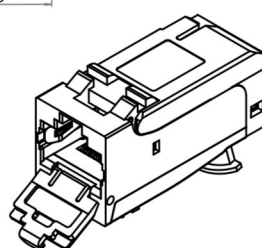
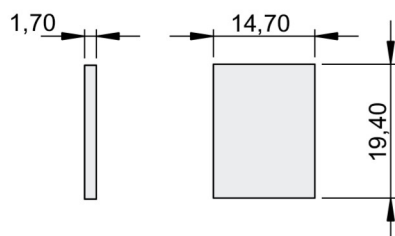
Technical Data

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) till 100W	adequate
Transfer Impedance at 1 MHz	≤ 100 mΩ
Transfer Impedance at 10 MHz	≤ 200 mΩ
Transfer Impedance at 80 MHz	≤ 1600 mΩ
Transmission Performance	
10 Gigabit Ethernet acc. to IEEE 802.3an	adequate
Categorie 6 _A	ISO/IEC 11801; EIA/TIA 568; DIN EN 50173-1
Categorie 6	ISO/IEC 11801
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



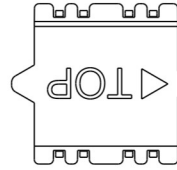
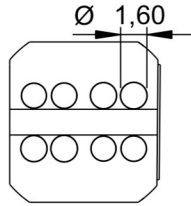
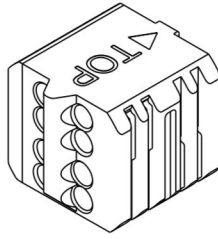
Gap size



c b a	Anpassung Neuerstellung Neuerstellung	30.07.2025 10.06.2025 16.12.2020	TG MW LP	drawn	16.12.2020	LP
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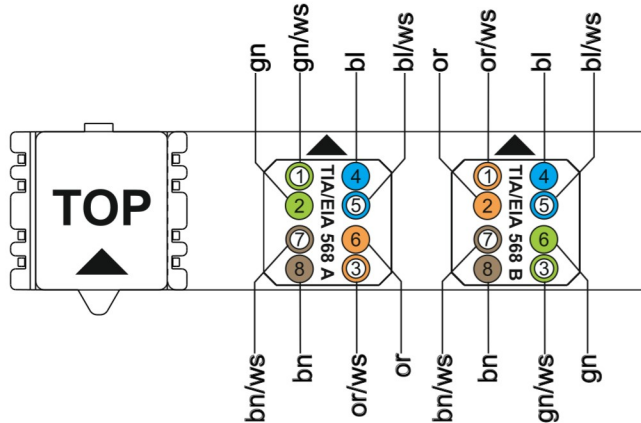



Drawing



Scale 2:1

Configuration



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Name				 EasyLan® ...for a better connectivity		