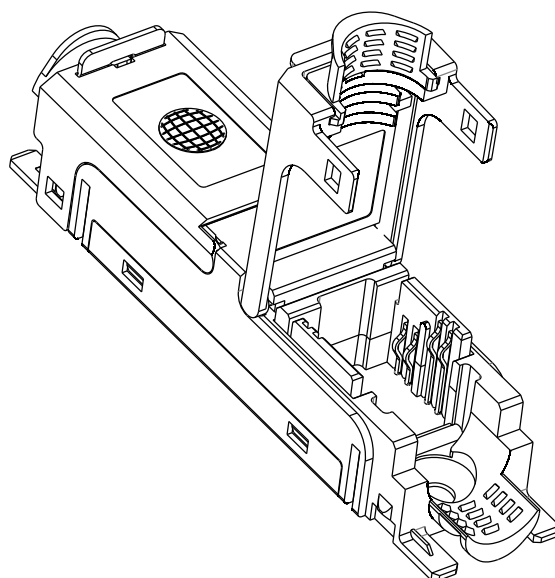


Technical Data sheet

preLink[®] Extender Cat.6_A ISO/IEC AWG 24 - AWG 22

Article No. : CKEA0100



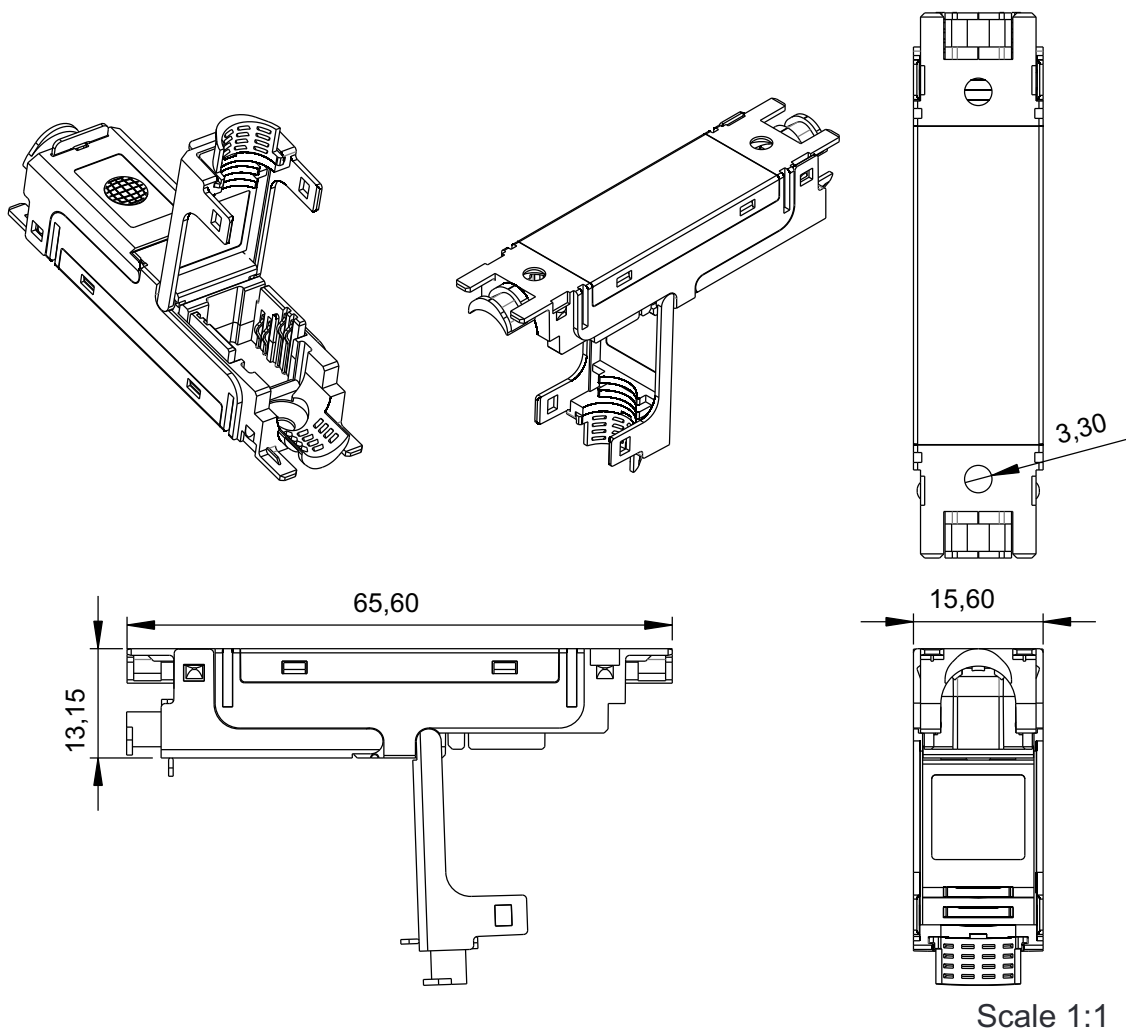
c b a	Anpassung Spr. Anpassungen Neuerstellung	15.12.2023 20.07.2015 18.02.2015	TG MJ MJ	drawn	18.02.2015	MJ	 EasyLan[®] ...for a better connectivity
				appr.	19.02.2015	GF	
				Titel: preLink [®] Extender cat. 6 _A ISO/IEC AWG 24-22			Dimensions: mm
				Drawing Number: ZN-CU151017			Original: DIN A4
Rev. Index	Revision code	Date	Name				Sheet 1 of 4

Technical Data

Mechanical Characteristics	
Conductor diameter	massiv / solid 0,51-0,65 mm / AWG 24/1 - AWG 22/1
Insulation diameter	5 - 9 mm
Reusable (Extender)	≥ 100 cycles
Reusable (Connection block)	0 cycles
EC Directive 2002/95/EC (RoHS)	RoHS-compliant
Materials	
Housing	zinc diecast
Strain-relief sliver	zinc diecast
Surface	nickel plating
PCB	FR-4
PCB finish	HAL lead free
Contacts	spring steel
Contact finish	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
Environmental Requirements	
Particulate ingress	IP2X
Water ingress	IPX0
Ambient temperature	-40°C to +70°C
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
Transmission Performance	
10 Gigabit Ethernet acc. to IEEE 802.3an	adequate
Categorie 6 _A	ISO/IEC 11801; DIN EN 50173-1
Class EA	max. lenght of link is 90m

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				 EasyLan® ...for a better connectivity		
				Dimensions: mm		
				Original: DIN A4		
				Sheet 2 of 4		

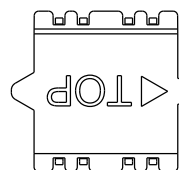
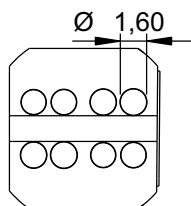
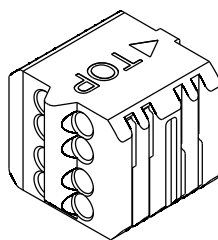
Drawing



Scale 1:1

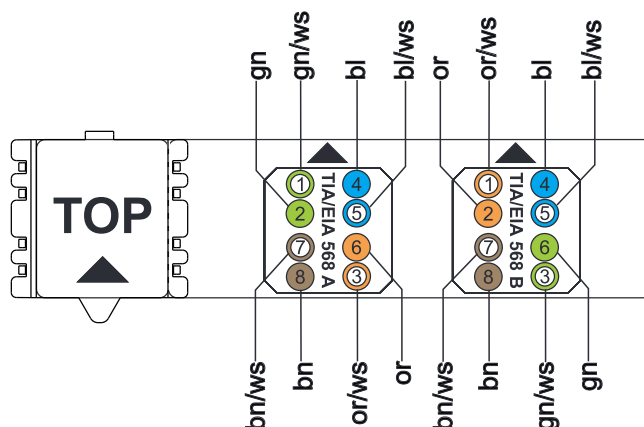
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				appr.	19.02.2015	GF
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				preLink® Extender cat. 6 _A ISO/IEC AWG 24-22		
Rev. Index	Revision code	Date	Name	Drawing Number: ZN-CU151017		
				 EasyLan® ...for a better connectivity		
				Dimensions: mm		
				Original: DIN A4		
				Sheet 3 of 4		

Drawing



Scale 2:1

Configuration



c b a	Anpassung Spr. Anpassungen Neuerstellung	15.12.2023 20.07.2015 18.02.2015	TG MJ MJ	drawn	18.02.2015	MJ
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				Drawing Number: ZN-CU151017		
Rev. Index	Revision code	Date	Name	 EasyLan® ...for a better connectivity		
				Dimensions: mm		
				Original: DIN A4		
				Sheet 4 of 4		