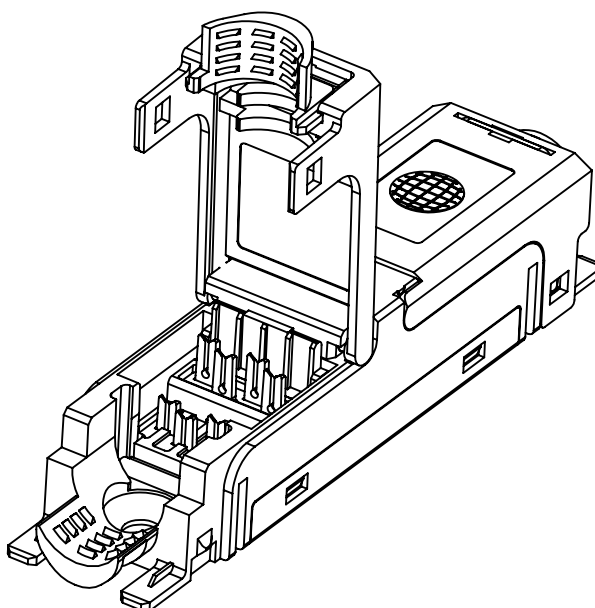


Technical Datasheet

fixLink[®] Extender Kat. 6_A ISO/IEC

AWG 24 - AWG 22

Order Code: CKEFFL00



d c b a	Änderung Bestellcode Anpassungen Neuerstellung	17.03.2022 09.03.2017 20.07.2015 01.04.2015	MW/ GF/ MJ/ MJ	drawn	01.04.2015	MJ	 EasyLan® ...for a better connectivity
				appr.	02.04.2015	GF	
				Titel: fixLink® Extender Kat. 6 _A ISO/IEC AWG 24-22			
				Drawing number: ZN-CU151027			
Index	Revision Code	Date	Name				Dimensions: mm
							Original: DIN A4
							Sheet 1 of 4

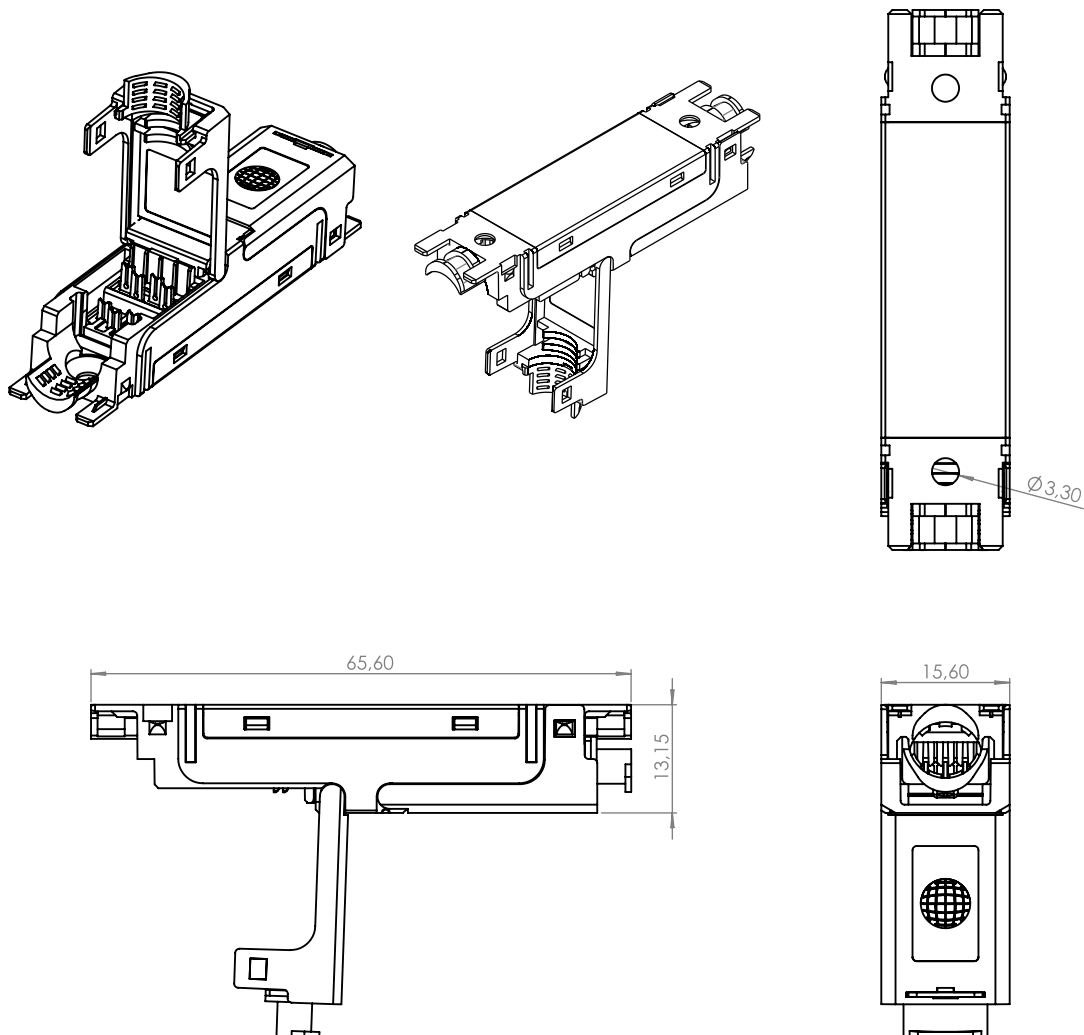
Technical Data

Mechanical Characteristics	
Conductor diameter	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
Surface	nickel plating
PCB	FR-4
PCB finish	lead-free
Insulation housing	PA light green (RAL 6027)
Contact support plate	PC yellow (RAL 1021)
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
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
4PPoE according to IEEE 802.3bt	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
Class EA	max. length of link 90m
Typical values ¹⁾	NEXT = 2,0 dB / RL = 4,0 dB

¹⁾ PL2 measurement: 20m

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Drawing



d c b a	Änderung Bestellcode Anpassungen Neuerstellung	17.03.2022 09.03.2017 20.07.2015 01.04.2015	MW GF MJ MJ	drawn	01.04.2015	MJ
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				Dimensions: mm		
				Original: DIN A4		
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Technical drawing of a 4-pin connector. The drawing includes three views: a front view on the left showing a square connector with a crosshair, a side view in the center showing four pins with a dimension line indicating a diameter of $\varnothing 1.70$, and a cross-sectional view on the right showing the internal structure of the pins and housing.

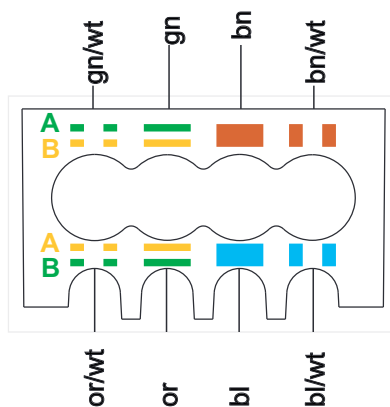


Diagram illustrating a complementation test. The top row shows the parental genotypes: *or/wt*, *or*, *bn*, and *bn/wt*. The bottom row shows the parental genotypes: *gn/wt*, *gn*, *bl*, and *bl/wt*. The central area represents the progeny of these crosses, showing different phenotypes (A, B, or combinations) for each cross.

drawn	01.04.2015	MJ
appr.	02.04.2015	GF

fixLink® Extender Kat. 6_A ISO/IEC
AWG 24-22

Drawing number:

ZN-CU151027



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Dimensions: mm

Original: DIN A4

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d c b a	Änderung Bestellcode Anpassungen Neuerstellung	17.03.2022 09.03.2017 20.07.2015 01.04.2015	MW GF MJ MJ	drawn	01.04.2015	MJ	 EasyLan [®] ...for a better connectivity
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Index	Revision Code	Date	Name				Dimensions: mm
							Original: DIN A4
							Sheet 4 of 4