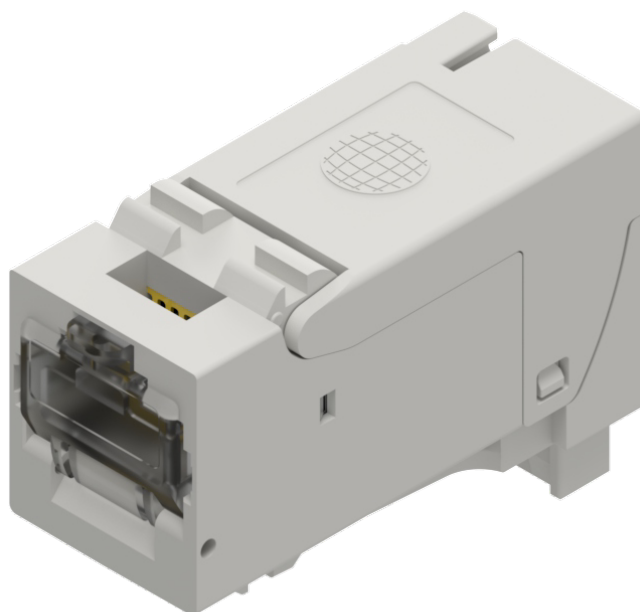


Technical data sheet

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

AWG 24 - AWG 22

Item No. : CKFEK001



				drawn	30.10.2015	MJ	 EasyLan[®] ...for a better connectivity
				appr.	02.11.2015	GF	
				Titel: EasyLan [®] basicLink RJ45 Keystone shielded Cat.6 _A ISO/IEC AWG 24 - 22			
f	Änderung Spr.	09.05.2025	TG	Drawing number:			Dimensions: mm
e	basicLink	11.03.2022	LE	ZN-CU151008			
d	basicLink	30.10.2015	MJ				Original: DIN A4
c	Anpassungen Spr.	20.07.2015	MJ				
b	Anpassungen	12.01.2015	MJ				Sheet 1 of 4
a	Neuerstellung	20.02.2014	MJ				
Rev. Index	Revision code	Date	Name				

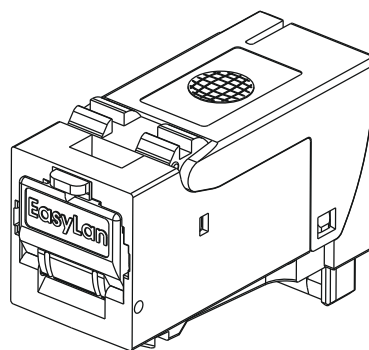
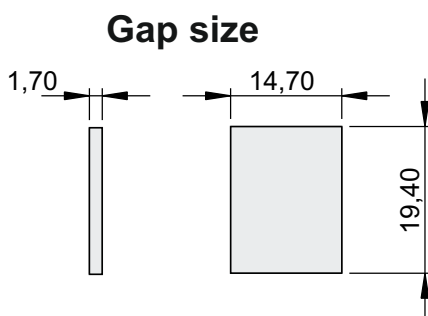
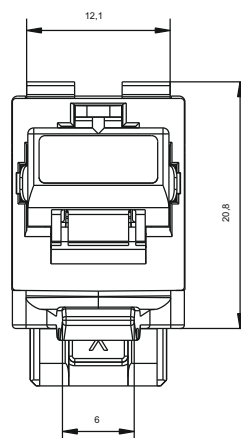
Technical Data

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

f e d c b a	Änderung Spr. basicLink basicLink Anpassungen Spr. Anpassungen Neuerstellung	09.05.2025 11.03.2022 30.10.2015 20.07.2015 12.01.2015 20.02.2014	TG LE MJ MJ MJ MJ	drawn	30.10.2015	MJ	 EasyLan® ...for a better connectivity
				appr.	02.11.2015	GF	
				Titel:			
				EasyLan® basicLink RJ45 Keystone shielded Cat.6 _A ISO/IEC AWG 24 - 22			
				Drawing number:			
Rev. Index	Revision code	Date	Name	ZN-CU151008			Dimensions: mm
							Original: DIN A4
							Sheet 2 of 4

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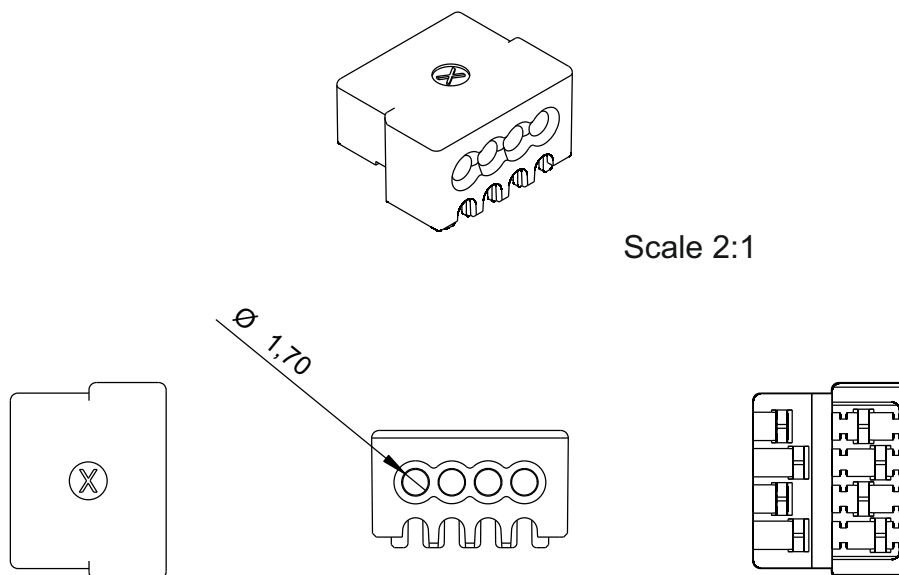
Drawing



EasyLan®
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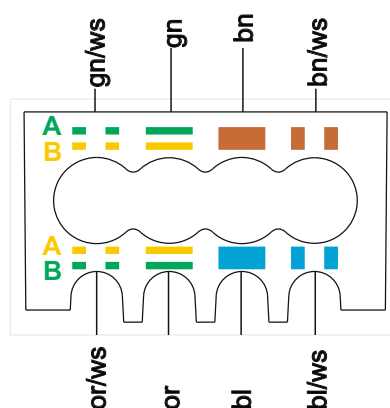
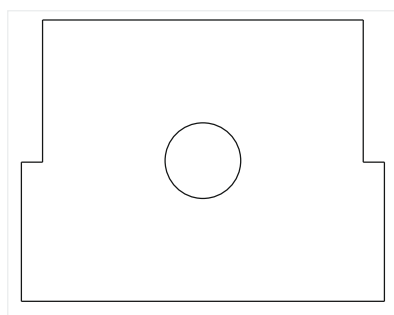
Sheet 3 of 4

Drawing

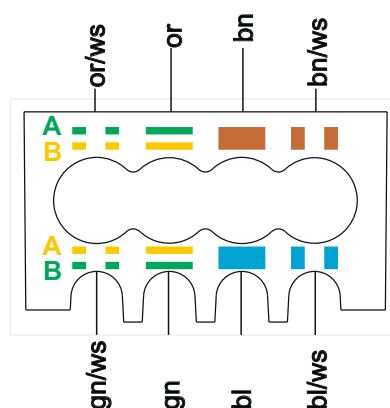


Scale 2:1

Configuration



Configuration to
TIA/EIA 568 A



Configuration to
TIA/EIA 568 B

				drawn	30.10.2015	MJ	 EasyLan® ...for a better connectivity
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				EasyLan® basicLink RJ45 Keystone shielded Cat.6 _A ISO/IEC AWG 24 - 22			
f	Änderung Spr.	09.05.2025	TG	Drawing number:			Dimensions: mm
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Rev. Index	Revision code	Date	Name	ZN-CU151008			Sheet 4 of 4