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Technical Data sheet

EasyLan[®] fixLink[®] D RJ45 Jack-Module, shielded, Cat.6_A (ISO/IEC)*

AWG 27 - AWG 26

Article No.: CKVKSE12 (PU:24) / CKVKSE12EP (PU:1)



f e d c b a	Changed	25.07.2025	TG	drawn	25.01.2024	TG	 EasyLan[®] ...for a better connectivity	
	Changed	05.05.2025	TG	appr.	25.01.2024	MW		
	Changed Text	28.04.2025	TG	Titel:				
	Changed Text	17.04.2025	TG	EasyLan [®] fixLink [®] D* RJ45 Jack-Module, shielded, Cat. 6 _A (ISO/IEC), AWG 27-26				
	Changed	20.03.2025	TG	Drawing number:				
Created	25.01.2024	TG	ZN-CU240002				Dimensions: mm	
Index	Revision code	Date	Name	Sheet 1 of 4				

*Compatibility with E-DAT[®] module (installation cut-out: modul)e. E-DAT[®] is a registered trademark of Albert Metz GmbH & Co. KG

Technical Data

Connector Standard	IEC 60603-7-51
Mechanical Characteristics	
Life (mating cycles)	≥ 750
Insertion force	≤ 30N
Conductor diameter	flex / stranded 0,457-0,483 mm / AWG 27/7 - AWG 26/7
Insulation diameter	5 - 9 mm
Reusable (Module)	≤ 5 cycles with the same diameter
EC Directive 2002/95/EC (RoHS)	RoHS-compliant
Modul Fromat	Yes
Design compatibility	Yes
Materials	
Housing	zinc diecast
Strain-relief sliver	zinc diecast
Surface	nickel plated
Standard dust cover	Inkluded
Shield spring	stainless steel
PCB	FR-4
PCB finish	HAL lead-free
Contacts	spring steel
Contact finish	1,27 µm / 30µin Au
Insulation housing	PA light green (RAL 6027)
Contact support plate	PC yellow (RAL 1021)
Dust protection Cover	PC clear
IDC	CuNi2Si
IDC finish	min. 3-6 µm (120-240µin) Sn
Protection class	IP20
Panel spring	die-cast zinc
Transport lock	Bioplastic
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 carrng capacity at 50°C	1,25 A
Shielded	Yes
PoE (IEEE802.af) 15,4W	adequate
PoE+ (IEEE802.3at) 30W	adequate
PoE++ / 4PPoE (IEEE802.3bt) bis 100W	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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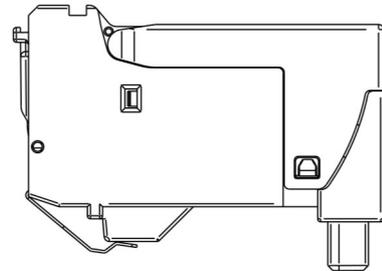
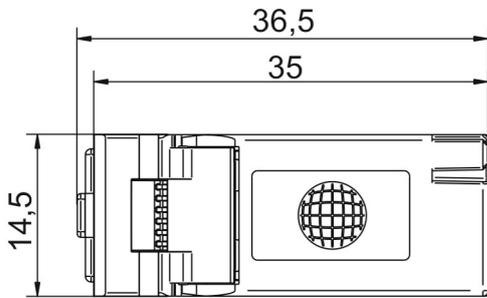
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	Changed	20.03.2025	TG	Dimensions: mm Original: DIN A4 Sheet 2 of 4				
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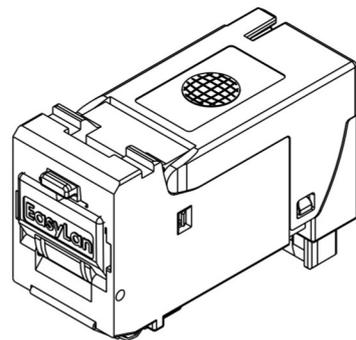
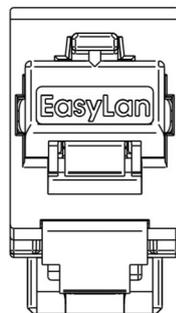
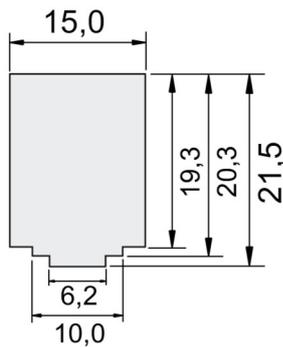
Technical Data

Environmental Requirements	
Particulate ingress	IP2X
Water ingress	IPX0
Ambient temperature	-40°C to +85°C
Packaging material	bio-degradable
Transmission Performance	
10 Gigabit Ethernet acc. to IEEE 802.3an	adequate
GHMT PVP	certified
GHMT approved (PoE type III / IV)	DIN IEC 60512-99-001:2015 & DIN IEC 60512-9-3:2010
Categorie 6	ISO/IEC 11801
Categorie 6 _A	ISO/IEC 11801; EIA/TIA 568; DIN EN 50173-1
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

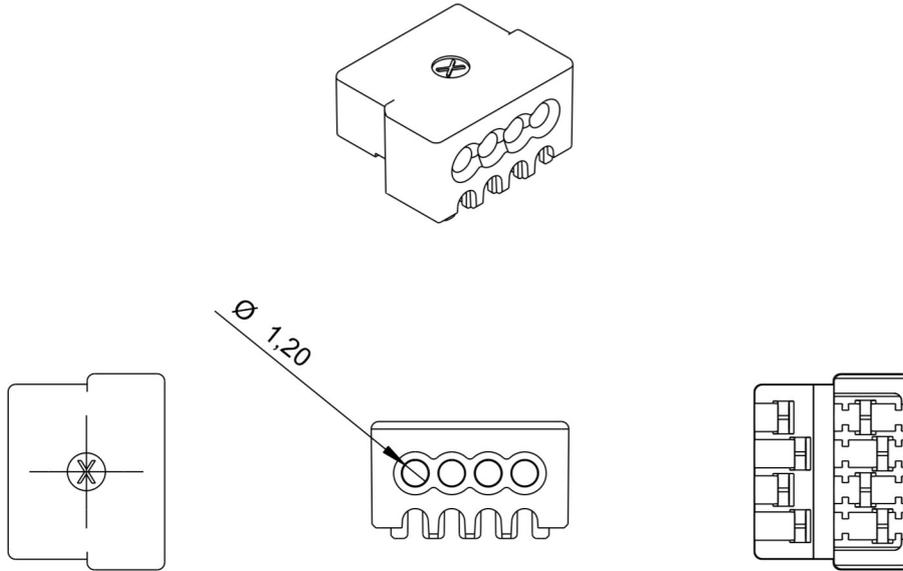


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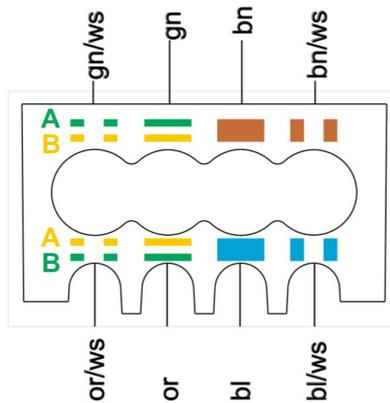
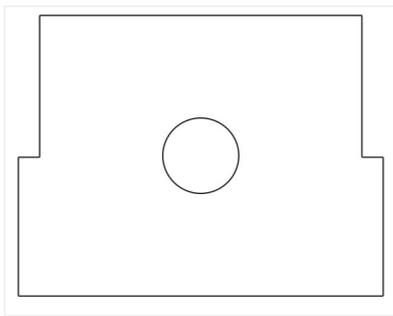


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f	Changed	25.07.2025	TG				
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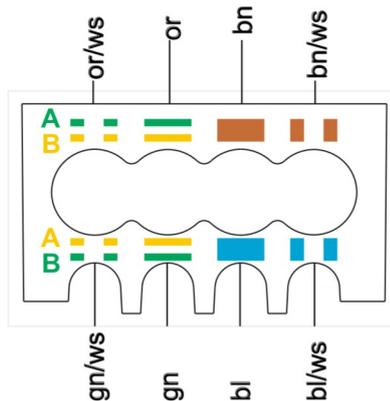
Drawing



Configuration



Configuration to
TIA/EIA 568 A



Configuration to
TIA/EIA 568 B

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