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Technical Data

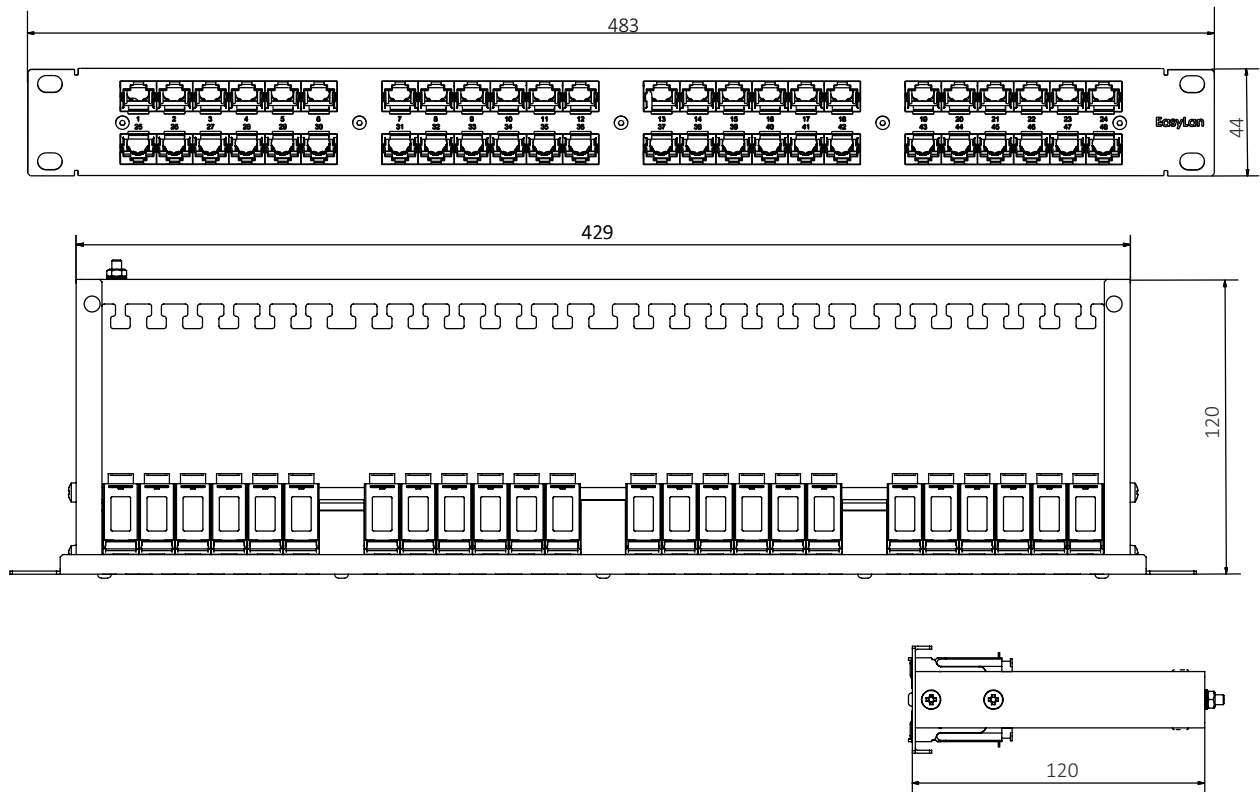
Connector standard	IEC 60603-7-51
Mechanical Characteristics	
Life (mating cycles)	≥ 750
Insertion force	≤ 30N
Conductor diameter	AWG 27 - 22
Insulation diameter	5 - 9,5 mm
Reusable (Module)	≥ 25 cycles
Reusable (Connection block)	0 cycles
EC Directive 2002/95/EC (RoHS)	RoHS-compliant
Materials	
Housing	zinc diecast
Strain-relief sliver	zinc diecast
Surface	nickel plating
Shield spring	stainless steel
PCB	FR-4
PCB finish	chem. NiAu
Contacts	spring steel
Contact finish (RJ45)	1,27 µm / 50µin Au
Contact finish (connection block)	0,762 µm / 30µin Au
Insulation housing	PA light green (RAL 6027)
Connection block	PC
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

b a	Änderung Spr. Neuerstellung	12.12.2023 01.10.2015	TG AK	drawn	01.10.2015	AK	 EasyLan® ...for a better connectivity
				appr.	01.10.2015	GF	
				Titel: EasyLan® preLink® DC-Panel 19" 1U Kat. 6A ISO/IEC 48 Ports			
				Drawing Number: ZN-BL151079			
Rev. Index	Revision code	Date	Name				Dimensions: mm
							Original: DIN A4
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Technical Data

Transmission Performance	
10 Gigabit Ethernet acc. to IEEE 802.3an	adequate
Categorie 6 _A	ISO/IEC 11801; 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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