

Patch panels - PP-RJ-SCC - 2703018

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Patch panel, RJ45 jack on Push-in terminal blocks, 10/100/1000 Mbps, DIN rail adapter, IP20, shield contacting with strain relief

Product Description


Ethernet patch panels enable quick and easy connection between the field cabling and control cabinet cabling. The passive termination panels are a convenient alternative to the on-site assembly of RJ45 connectors.

Your advantages

- ✓ Extended temperature range of -40°C to +75°C
- ✓ Fast connection of the field cable
- ✓ Wiring space covered with front panel cover
- ✓ Tool-free shield contacting with strain relief
- ✓ Shipbuilding approval in accordance with DNV GL
- ✓ PoE-capable in accordance with IEEE 802.3bt, type 4



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 462882
GTIN	4055626462882
Weight per Piece (excluding packing)	105.000 g
Custom tariff number	85369010
Country of origin	Germany
Sales Key	DNC334

Technical data

Note

Utilization restriction	Use in potentially explosive areas is not permitted in China.
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Dimensions

Caption	Compact housing
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Dimensions

Width	23.8 mm
Height	101.3 mm
Depth	50 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Altitude	≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation)
	≤ 2000 m (Restrictions for ATEX applications)
Degree of protection	IP20 (Manufacturer's declaration)

General

External cable diameter	5.5 mm ... 6.5 mm
Net weight	105 g
Housing material	Plastic
Color	gray
MTTF	105699 Years
Degree of pollution	2
Overvoltage category	II

Interfaces

Interface 1	Ethernet interface, 10/100/1000Base-T(X) in accordance with IEEE 802.3
Connection method	Push-in connection
Note on the connection method	CAT5e
Transmission length	100 m (including patch cables)
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² ... 1.5 mm ² (only together with CRIMPFOX 6)
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 1.5 mm ² (only together with CRIMPFOX 6)
Stripping length	8 mm
Pin assignment	1:1
Serial transmission speed	10/100/1000 Mbps
Frequency range	125 MHz
Output nominal voltage	< 60 V (ATEX approval)
	< 57 V DC (With UL approval)
Maximum output current	725 mA (Per channel)

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Interfaces

Maximum output power	60 W
Interface 2	Ethernet interface, 10/100/1000Base-T(X) in accordance with IEEE 802.3
Connection method	RJ45 jack

Conformance/approvals

Designation	CE
Identification	CE-compliant
Designation	ATEX
Identification	# II 3 G Ex nA IIC Gc U
Additional text	Please follow the special installation instructions in the documentation!
Designation	UL, USA
Certificate	UL 60079-0 Ed. 6 / UL 60079-15 Ed. 4
Designation	UL, Canada
Certificate	CSA 22.2 No. 60079-0 Ed. 3 / CSA 22.2 No. 60079-15:16
Designation	Corrosive gas test
Identification	ISA-S71.04-1985 G3 Harsh Group A
Designation	Shipbuilding
Identification	DNV GL
Temperature	D
Humidity	B
Vibration	B
EMC	B

Standards and Regulations

Type of test	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
Test result	10 Hz ... 57 Hz, amplitude ± 3.5 mm, 57 Hz ... 150 Hz, 5g
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	30g for 11 ms, three shocks in each spatial direction
Type of test	Continuous shock according to EN 60068-2-27/IEC 60068-2-27
Test result	10g for 16 ms, 1000 shocks in each spatial direction
Rated insulation voltage	85 V DC

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values



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