

3270447

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Marshalling patchboard, without actuating push button, nom. voltage: 500 V, nominal current: 17. 5 A, connection method: Push-in connection, cross section: 0.14 mm² - 2.5 mm², mounting: for snapping onto a DIN rail adapter, for snapping onto a cover flange, color: gray, color of connection elements: yellow

Your advantages

- · Tool-free wiring in a confined space thanks to compact size
- Color configuration possible according to VDE 0812, VDE 0815, DIN 47100 or unlimited.
- · Individual color assignment of cable and terminal point to ensure error-free, safe operation
- · High contact quality thanks to push-in technology as a replacement for Wire-Wrap®, TERMI-POINT®, etc.
- · Suitable for DIN rail mounting and panel cutouts with corresponding accessories
- · Individual setup thanks to modular principle

Commercial data

Item number	3270447
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	****
Product key	BE6212
Catalog page	Page 57 (C-1-2019)
GTIN	4055626114255
Weight per piece (including packing)	4.15 g
Weight per piece (excluding packing)	4.15 g
Customs tariff number	85369010
Country of origin	PL



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Technical data

Product properties

Product type	Marshalling terminal
Number of positions	1
Number of connections	6
Number of rows	1
Insulation characteristics	
Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Number of connections per level	6
Nominal cross section	1.5 mm²
Rated cross section AWG	14
Stripping length	8 mm 10 mm
Internal cylindrical gage	A1
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.14 mm² 2.5 mm²
Cross section AWG	26 14 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm² 1.5 mm²
Conductor cross section, flexible [AWG]	26 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² 1.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² 1.5 mm²
Nominal current	17.5 A
Maximum load current	24 A (in case of a 2.5 mm² conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors.)
Nominal voltage	500 V

Connection cross sections directly pluggable

Conductor cross section rigid	0.34 mm² 2.5 mm²
Conductor cross section, rigid [AWG]	20 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm² 1.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm² 1.5 mm²

Dimensions

Width	11 mm
Height	30 mm



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Material specifications

Color	gray (RAL 7042)
Color of connection elements	yellow
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Electrical tests

Surge voltage test

Test voltage setpoint	7.3 kV
Result	Test passed

Temperature-rise test

Increase in temperature ≤ 45 K
Test passed
0.18 kA
0.3 kA
Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No

Mechanical tests

Mechanical strength

Result	Test passed
Attachment on the carrier	



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DIN rail/fixing support Test force setpoint Result est for conductor damage and slackening	NS 35 1 N
Result	
est for conductor damage and slackening	Test passed
Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.14 mm² / 0.2 kg
	1.5 mm² / 0.4 kg
	2.5 mm² / 0.7 kg
Result	Test passed
vironmental and real-life conditions	
ging	
Temperature cycles	192
Result	Test passed
leedle-flame test	
Time of exposure	30 s
Result	Test passed
escillation/broadband noise	
Specification Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$
ASD level	0.964 (m/s²)²/Hz
Acceleration	0.58g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed
hocks	
Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed
mbient conditions	
Ambient temperature (operation)	-60 °C 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C 70 °C



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Ambient temperature (actuation)	-5 °C 70 °C
Permissible humidity (storage/transport)	30 % 70 %
Standards and regulations	
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Connection in acc. with standard	IEC 60947-7-1
Maunting	
Mounting	
Mounting type	for snapping onto a DIN rail adapter
	for snapping onto a cover flange



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Drawings

Circuit diagram





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Classifications

	ETIM 8.0	EC000897			
U١	UNSPSC				
	UNSPSC 21 0	39121400			



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions	
China RoHS		
Environment friendly use period (EFUP)	EFUP-E	
	No hazardous substances above the limits	
EU REACH SVHC		
REACH candidate substance (CAS No.)	No substance above 0.1 wt%	

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