

3270194

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Potential distributors, without actuating push button, nom. voltage: 250 V, nominal current: 17.5 A, connection method: Push-in connection, 1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 2.5 mm², mounting: NS 35/7,5, NS 35/15, color: gray, color of connection elements: black

Your advantages

- · Potential distributor for distributing potentials up to 17.5 A
- · High contact quality thanks to push-in technology as a replacement for Wire-Wrap®, TERMI-POINT®, etc.
- · Tool-free wiring in a confined space thanks to compact size
- The 2.3 mm test pick-off enables testing between the conductors with commercially available test probes

Commercial data

Item number	3270194
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	BE6211
GTIN	4046356944144
Weight per piece (including packing)	32.89 g
Weight per piece (excluding packing)	32.89 g
Country of origin	PL



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Technical data

Product properties

Product type	Potential distributor
Number of positions	2
Number of connections	32
Number of rows	8
Potentials	1
Insulation characteristics	

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Electrical properties

Overvoltage category

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Number of connections per level	4
Nominal cross section	1.5 mm²

1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level

Push-in connection
8 mm 10 mm
IEC 60947-7-1
0.14 mm² 2.5 mm²
26 14 (converted acc. to IEC)
0.14 mm² 1.5 mm²
26 14 (converted acc. to IEC)
0.14 mm² 1.5 mm²
0.14 mm² 1.5 mm²
17.5 A
20 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.)
250 V
1.5 mm²

1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level 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 8.3 mm	
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Material specifications

Color	gray (RAL 7042)
Color of connection elements	black
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	4.8 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	1.5 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	Yes

Mechanical tests

Mechanical strength

Result	Test passed
Attachment on the carrier	



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DIN rail/fixing support	NS 35
Test force setpoint	1 N
Result	Test passed
Fest for conductor damage and slackening	
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	
Aging	
Temperature cycles	192
Result	Test passed
Needle-flame test	
Time of exposure	30 s
Result	Test passed
Oscillation/broadband noise	
Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5$ Hz to $f_2 = 250$ Hz
ASD level	6.12 (m/s²)²/Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed
Shocks	
Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed
Ambient conditions	
Ambient conditions Ambient temperature (operation)	-60 °C 105 °C (max. short-term operating temperature RTI
Ambient temperature (storage/transport)	Elec.)
	-25 °C 60 °C (for a short time, not exceeding 24 h, -60 °C to
Ambient temperature (storage/transport)	+70 °C)



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Ambient temperature (actuation)	-5 °C 70 °C
Permissible humidity (storage/transport)	30 % 70 %
Standards and regulations	
Standards and regulations	
Connection in acc. with standard	IEC 60947-7-1
Mounting	
Mounting type	NS 35/7,5
	NS 35/15

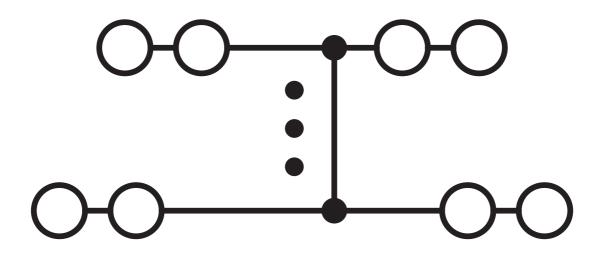


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Drawings

Circuit diagram





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Classifications

ETIM

	ETIM 8.0	EC000897
1U	NSPSC	
	LINSPSC 21.0	39121400



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Environmental product compliance

EU RoHS

o exemptions
<u> </u>
ardous substances above the limits
stance above 0.1 wt%

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