

https://www.phoenixcontact.com/us/products/3270125

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Potential distributors, nom. voltage: 250 V, nominal current: 17.5 A, connection method: Push-in connection, 1st, 2nd, 3rd and 4th 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

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

Commercial data

Item number	3270125
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE62
Product key	BE6211
Catalog page	Page 47 (C-1-2019)
GTIN	4046356943819
Weight per piece (including packing)	17 g
Weight per piece (excluding packing)	16.98 g
Customs tariff number	85369010
Country of origin	PL



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Technical data

Height

Product properties	
Product type	Potential distributor
Number of positions	2
Number of connections	16
Number of rows	4
Potentials	1
Insulation observatoriation	
Insulation characteristics	10
Overvoltage category	111
Electrical properties	
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 mm ²
1st, 2nd, 3rd and 4th level	
Stripping length	8 mm 10 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.14 mm ² 2.5 mm ²
Cross section AWG	26 14 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² 1.5 mm ²
Conductor cross section, flexible [AWG]	26 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² 1.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² 1.5 mm ²
Nominal current	17.5 A
Maximum load current	20 A (in case of a 2.5 mm ² conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors.)
Nominal voltage	250 V
Nominal cross section	1.5 mm ²
1st, 2nd, 3rd and 4th 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 mm ² 1.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm ² 1.5 mm ²
Dimensions	
Width	8.3 mm

64 mm



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Depth on NS 35/7,5	55.5 mm
Depth on NS 35/15	63 mm

Material specifications

Color	gray
Color of connection elements	black
Flammability rating according to UL 94	VO
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

Mechanical strength

Test voltage setpoint	4.8 kV	
Result	Test passed	
mperature-rise test		
Requirement temperature-rise test	Increase in temperature ≤ 45 K	
Result	Test passed	
Short-time withstand current 1.5 mm ²	0.18 kA	
Short-time withstand current 2.5 mm ²	0.3 kA	
Result	Test passed	
Power-frequency withstand voltage		
Test voltage setpoint	1.5 kV	
Result	Test passed	

I	lechanical data	
	Open side panel	Yes
Me	echanical tests	



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Result	Test passed	
Attachment on the carrier		
DIN rail/fixing support	NS 35	
Test force setpoint	1 N	
Result	Test passed	
Test for conductor damage and slackening Rotation speed	10 rpm	
Revolutions	135	
Revolutions Conductor cross section/weight	135 0.14 mm² / 0.2 kg	
	0.14 mm² / 0.2 kg	

Environmental and real-life conditions

192
Test passed
30 s
Test passed
DIN EN 50155 (VDE 0115-200):2008-03
Service life test category 2, bogie-mounted
f ₁ = 5 Hz to f ₂ = 250 Hz
6.12 (m/s²)²/Hz
3.12g
5 h
X-, Y- and Z-axis
Test passed
DIN EN 50155 (VDE 0115-200):2008-03
Half-sine
30g
18 ms
3
X-, Y- and Z-axis (pos. and neg.)
Test passed
-60 °C 105 °C (max. short-term operating temperature RTI Elec.)



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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	
Ambient temperature (actuation)	-5 °C 70 °C	
Permissible humidity (storage/transport)	30 % 70 %	
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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Classifications

ECLASS

	ECLASS-11.0	27141120	
	ECLASS-13.0	27250105	
ETIM			
	ETIM 9.0	EC000897	
UNSPSC			
	UNSPSC 21.0	39121400	

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Environmental product compliance

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

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