#### 3270159

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Potential distributors, 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 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, mounting: NS 35/7,5, NS 35/15, color: gray, color of connection elements: black

### Your advantages

- · Bridgeable potential distributor
- 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

### Commercial data

Item number	3270159
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE62
Product key	BE6211
Catalog page	Page 52 (C-1-2019)
GTIN	4046356963411
Weight per piece (including packing)	48.39 g
Weight per piece (excluding packing)	42 g
Customs tariff number	85369010
Country of origin	PL

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## Technical data

oduct properties	
Product type	Potential distributor
Number of positions	2
Number of connections	32
Number of rows	8
Potentials	1
nsulation characteristics	
Overvoltage category	III
ectrical properties	
Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.56 W
nnection data	
Number of connections per level	4
Nominal cross section	1.5 mm <sup>2</sup>
1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level	
Stripping length	8 mm 10 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup>
Cross section AWG	26 14 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm <sup>2</sup> 1.5 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	26 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm <sup>2</sup> 1.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm <sup>2</sup> 1.5 mm <sup>2</sup>
Nominal current	17.5 A (with 1.5 mm <sup>2</sup> conductor cross section)
Maximum load current	24 A (per chamber with 2.5 mm <sup>2</sup> conductor cross section)
Maximum total current	37 A (per potential distributor)
Nominal voltage	250 V
Nominal cross section	1.5 mm <sup>2</sup>

1st, 2nd, 3rd, 4th, 5th, 6th, 7th and 8th level Connection cross sections directly pluggable

Conductor cross section rigid	0.34 mm <sup>2</sup> 2.5 mm <sup>2</sup>
Conductor cross section, rigid [AWG]	20 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm <sup>2</sup> 1.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm² 1.5 mm²

Dimensions

Width	8.3 mm
Height	100 mm
Depth on NS 35/7,5	87.5 mm



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Depth on NS 35/15	95 mm		
aterial specifications			
Color	gray		
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

Test voltage setpoint	4.8 kV
Result	Test passed
emperature-rise test	
Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 1.5 mm <sup>2</sup>	0.18 kA
Short-time withstand current 2.5 mm <sup>2</sup>	0.3 kA
Result	Test passed
ower-frequency withstand voltage	
Test voltage setpoint	1.5 kV
Result	Test passed

#### Mechanical data

Open side pa	nel	Yes	
Mechanical tes	ts		

Mechanical strength		
Result	Test passed	



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Attachment on the carrier		
NS 35		
1 N		
Test passed		
Test for conductor damage and slackening		
10 rpm		
135		
0.14 mm² / 0.2 kg		
1.5 mm² / 0.4 kg		
2.5 mm² / 0.7 kg		
Test passed		

### Environmental and real-life conditions

ging	
Temperature cycles	192
Result	Test passed
leedle-flame test	
Time of exposure	30 s
Result	Test passed
Dscillation/broadband noise	
Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$
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
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)



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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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Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com