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 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

- · 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 ²
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 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 (with 1.5 mm ² conductor cross section)
Maximum load current	24 A (per chamber with 2.5 mm ² conductor cross section)
Maximum total current	37 A (per potential distributor)
Nominal voltage	250 V
Nominal cross section	1.5 mm ²

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

Conductor cross section rigid	0.34 mm ² 2.5 mm ²
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 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 ²	0.18 kA
Short-time withstand current 2.5 mm ²	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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