

3270248

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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: red

Your advantages

- 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
- 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	3270248
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE62
Product key	BE6211
Catalog page	Page 51 (C-1-2019)
GTIN	4055626282534
Weight per piece (including packing)	33.84 g
Weight per piece (excluding packing)	33.84 g
Customs tariff number	85369010
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 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 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 16 (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	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.)
Nominal voltage	250 V
Nominal cross section	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
Height	100 mm



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Mechanical strength

Depth on NS 35/7,5	87.5 mm
Depth on NS 35/15	95 mm
erial specifications	
Color	gray
Color of connection elements	red
Flammability rating according to UL 94	V0
Insulating material group	I 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
0 15 11 11 11 15 1 11 15 10 (10 71 1 7 000)	
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662) Smoke gas toxicity NFPA 130 (SMP 800C) trical tests	passed
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test	passed
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint	passed 4.8 kV
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test	passed
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint Result	passed 4.8 kV
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint Result mperature-rise test	passed 4.8 kV
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint Result mperature-rise test Requirement temperature-rise test	passed 4.8 kV Test passed
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint Result mperature-rise test Requirement temperature-rise test Result	passed 4.8 kV Test passed Increase in temperature ≤ 45 K
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint Result mperature-rise test Requirement temperature-rise test Result Short-time withstand current 1.5 mm²	passed 4.8 kV Test passed Increase in temperature ≤ 45 K Test passed
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint Result mperature-rise test Requirement temperature-rise test Result Short-time withstand current 1.5 mm²	passed 4.8 kV Test passed Increase in temperature ≤ 45 K Test passed 0.18 kA
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint Result mperature-rise test Requirement temperature-rise test Result Short-time withstand current 1.5 mm² Short-time withstand current 2.5 mm² Result	passed 4.8 kV Test passed Increase in temperature ≤ 45 K Test passed 0.18 kA 0.3 kA
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint	passed 4.8 kV Test passed Increase in temperature ≤ 45 K Test passed 0.18 kA 0.3 kA
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint Result mperature-rise test Requirement temperature-rise test Result Short-time withstand current 1.5 mm² Short-time withstand current 2.5 mm² Result wer-frequency withstand voltage	A.8 kV Test passed Increase in temperature ≤ 45 K Test passed 0.18 kA 0.3 kA Test passed
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint Result mperature-rise test Requirement temperature-rise test Result Short-time withstand current 1.5 mm² Short-time withstand current 2.5 mm² Result wer-frequency withstand voltage Test voltage setpoint Result	passed 4.8 kV Test passed Increase in temperature ≤ 45 K Test passed 0.18 kA 0.3 kA Test passed
Smoke gas toxicity NFPA 130 (SMP 800C) trical tests rge voltage test Test voltage setpoint Result mperature-rise test Requirement temperature-rise test Result Short-time withstand current 1.5 mm² Short-time withstand current 2.5 mm² Result wer-frequency withstand voltage Test voltage setpoint	passed 4.8 kV Test passed Increase in temperature ≤ 45 K Test passed 0.18 kA 0.3 kA Test passed



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Result	Test passed
ttachment on the carrier	
DIN rail/fixing support	NS 35
Test force setpoint	1 N
Result	Test passed
est 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
ging Temperature cycles	192
Result	Test passed
leedle-flame test	
Time of exposure	30 s
Result	Test passed
oscillation/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
hocks	
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 temperature (operation)	-60 °C 105 °C (max. short-term operating temperature RTI
/ ambient temperature (operation)	-00 0 100 0 (max. short-term operating temperature NTI

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
lounting	
Mounting type	NS 35/7.5
	110 0011,10



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Classifications

ECLASS

	ECLASS-11.0	27141120
	ECLASS-13.0	27250119
ΕΊ	ГІМ	
	ETIM 9.0	EC000897
U	NSPSC	
	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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