

Shield connection clamp - SCC 10

1019421

<https://www.phoenixcontact.com/gb/products/1019421>

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Shield connection clamp, connection method: Spring-cage connection, mounting type: Neutral busbar, color: black

Your advantages

- Convenient single-handed installation
- Shield connection clamps for cable diameters up to 20 mm
- Modern spring technology protects against vibrations
- Low transfer impedance due to large-surface shield connection
- High corrosion resistance
- Unique marking surface for cable designations
- As components, it is not possible to certify shield connections in accordance with the requirements of the directive and standards for electrical equipment in potentially explosive areas. As such, shield connection clamps can be used in the Ex area even without an appropriate approval or marking.

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Commercial Data

Item number	1019421
Packing unit	20 pc
Minimum order quantity	20 pc
Sales Key	BE7522
Product Key	BE7522
GTIN	4055626505176
Weight per Piece (including packing)	14.98 g
Weight per Piece (excluding packing)	14.98 g
Customs tariff number	85369010
Country of origin	CN

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Technical Data

Product properties

Product type	Shield connection clamp
Number of positions	1

Connection data

Stripping length	40 mm
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Dimensions

Width	14.4 mm
Height	32.5 mm
Length	32.9 mm

Material specifications

Color	black
Flammability rating according to UL 94	V0
Insulating material group	CTI 600
Insulating material	PA 6.6
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °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)	28 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

Connector

Number of positions	1
Number of positions	1
Number of positions	1

Cable / line

Cable structure

External cable diameter	3 mm ... 10 mm
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Mechanical tests

Mechanical strength

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Result	Test passed
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Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Service life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$
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):2018-05
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 Elec.)
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 %

Mounting

Mounting type	Neutral busbar
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Classifications

ECLASS

ECLASS-9.0	27141150
ECLASS-10.0.1	27141150
ECLASS-11.0	27141150

ETIM

ETIM 8.0	EC002020
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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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Accessories

Label

Label - EML (10X4)R - 0815583

<https://www.phoenixcontact.com/gb/products/0815583>



Label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 10 x 4 mm, Number of individual labels: 10000

Label

Label - EML (10X7)R - 0816663

<https://www.phoenixcontact.com/gb/products/0816663>



Label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 10 x 7 mm, Number of individual labels: 10000

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Neutral busbar

Neutral busbar - NLS-CU 3/10 SN 1000MM - 0402174

<https://www.phoenixcontact.com/gb/products/0402174>



Neutral busbar, DIN VDE 0611-4: 1991-02, material: Copper, tin-plated, color: silver

Neutral busbar

Neutral busbar - NLS-CU 3/10 SN 2000MM - 0402006

<https://www.phoenixcontact.com/gb/products/0402006>



Neutral busbar, DIN VDE 0611-4: 1991-02, material: Copper, tin-plated, color: silver

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Neutral busbar

Neutral busbar - NLS 3/10 AV 134/134 - 3062870

<https://www.phoenixcontact.com/gb/products/3062870>



Angled rail for holding the C-NBB busbar connector

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