

# BP 4-3CT - Short-circuit connector



1079655

<https://www.phoenixcontact.com/us/products/1079655>

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Plug for three current transformers, each with leading transformer short circuit



## Commercial data

Item number	1079655
Packing unit	10 pc
Minimum order quantity	10 pc
Product key	BE643X
GTIN	4055626800905
Weight per piece (including packing)	85.7 g
Weight per piece (excluding packing)	22.22 g
Country of origin	PL

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## Technical data

### Product properties

Product type	Plug
Number of positions	6
Number of connections	6
Number of rows	1
Potentials	6

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	1.02 W

### Connection data

Nominal cross section	4 mm <sup>2</sup>
Rated cross section AWG	10
Screw thread	M4
Tightening torque	1.2 ... 1.5 Nm
Stripping length	8 mm ... 9 mm
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Cross section AWG	20 ... 14 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	20 ... 14 (converted acc. to IEC)
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Nominal current	15 A
Maximum load current	30 A
Nominal voltage	320 V

### Dimensions

Width	60.1 mm
Height	40 mm
Depth	57.3 mm

### Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C

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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
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

## Mechanical properties

### Mechanical data

Open side panel	No
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## Environmental and real-life conditions

### 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 %

## Standards and regulations

Connection in acc. with standard	IEC 61984
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## Mounting

Mounting type	Insertion in base strip
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## Classifications

### ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250304

### ETIM

ETIM 9.0	EC000897
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### UNSPSC

UNSPSC 21.0	39121400
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