

BP 4-5CT - Short-circuit connector



3208733

<https://www.phoenixcontact.com/us/products/3208733>

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



Commercial data

Item number	3208733
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE64
Product key	BE643X
Catalog page	Page 334 (C-1-2019)
GTIN	4055626013015
Weight per piece (including packing)	132.22 g
Weight per piece (excluding packing)	132.22 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type	Plug
Number of positions	10
Pitch	6.1 mm
Number of connections	10
Number of rows	1
Potentials	10

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 ²
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 ² ... 2.5 mm ²
Cross section AWG	20 ... 14 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 2.5 mm ²
Conductor cross section, flexible [AWG]	20 ... 14 (converted acc. to IEC)
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 2.5 mm ²
Nominal current	15 A
Maximum load current	30 A
Nominal voltage	320 V

Dimensions

Width	86.7 mm
Height	40 mm
Depth	56.3 mm
Pitch	6.1 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I

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Insulating material	PA
Static insulating material application in cold	-60 °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
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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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
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