

BP 4-4VT - Short-circuit connector

1180888

<https://www.phoenixcontact.com/us/products/1180888>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

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



Commercial data

Item number	1180888
Packing unit	10 pc
Minimum order quantity	10 pc
Product key	BE643X
GTIN	4063151216917
Weight per piece (including packing)	104.34 g
Weight per piece (excluding packing)	104.34 g
Country of origin	PL

BP 4-4VT - Short-circuit connector



1180888

<https://www.phoenixcontact.com/us/products/1180888>

Technical data

Product properties

Product type	Plug
Number of positions	8
Pitch	6.1 mm
Number of connections	8
Number of rows	1
Potentials	8

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
Connection method	Bolt connection
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	74.4 mm
Height	40 mm
Depth	57.3 mm
Pitch	6.1 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0

BP 4-4VT - Short-circuit connector



1180888

<https://www.phoenixcontact.com/us/products/1180888>

Insulating material group	I
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
-----------------	----

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
----------------------------------	-----------

BP 4-4VT - Short-circuit connector

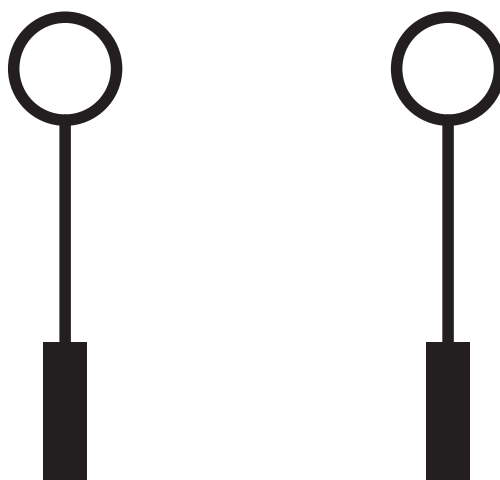
1180888

<https://www.phoenixcontact.com/us/products/1180888>



Drawings

Circuit diagram



BP 4-4VT - Short-circuit connector



1180888

<https://www.phoenixcontact.com/us/products/1180888>

Classifications

ECLASS

ECLASS-13.0	27250304
ECLASS-15.0	27250304

ETIM

ETIM 10.0	EC002555
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

BP 4-4VT - Short-circuit connector



1180888

<https://www.phoenixcontact.com/us/products/1180888>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com