

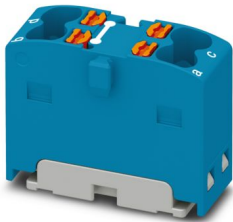
PTFIX 4X1,5 BU-EX - Distribution block



1221505

<https://www.phoenixcontact.com/gb/products/1221505>

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Distribution block, Ex e certified, mounting type: for snapping onto a DIN rail adapter, Direct mounting with flange, Free-hanging, color: blue

Your advantages

- Ex e certified
- Convenient test options, thanks to test openings at every terminal point
- Clear arrangement thanks to marking of all terminal points
- Space-saving potential distribution, thanks to compact micro potential distributors
- Flexible use, thanks to direct mounting with flange covers from accessories
- Space-saving, thanks to the compact design

Commercial data

Item number	1221505
Packing unit	30 pc
Minimum order quantity	30 pc
Sales key	BEA112
Product key	BEA112
GTIN	4063151308292
Weight per piece (including packing)	3.955 g
Weight per piece (excluding packing)	22.22 g
Country of origin	PL

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Technical data

Notes

Notes on operation	the blocks can be bridged with one another via the conductor shaft, for corresponding plug-in bridges, see accessories
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Product properties

Product type	Distributor terminal block
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Stripping length	8 mm ... 10 mm
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Ex data

Rated data (ATEX/IECEx)

Identification	Ex II 2 G Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	1049500 PTFIX 1,5-NS15A
	1049497 PTFIX 1,5-NS35
	1049503 PTFIX 1,5-F
	1050613 PTFIX 1,5-RZF
	3022263 CLIPFIX 15
	3022218 CLIPFIX 35
	1204504 SZF 0-0,4X2,5
List of bridges	Plug-in bridge / FBS 2-4 / 3030116
Bridge data	17.5 A (1.5 mm²)
Ex temperature increase	40 K (17.5 A / 1.5 mm²)
Rated insulation voltage when mounting on DIN rails	400 V
Rated insulation voltage when directly mounted on mounting surface	400 V
output	(Permanent)

Ex level General

Rated voltage when mounting on DIN rails	440 V
Rated voltage during direct mounting on mounting surface	440 V
Rated current	14.5 A (1.5 mm²)

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Maximum load current	18 A (2.5 mm ²)
Contact resistance	1.43 mΩ

Ex connection data General

Nominal cross section	1.5 mm ²
Rated cross section AWG	26
Connection capacity rigid	0.14 mm ² ... 2.5 mm ²
Connection capacity AWG	26 ... 14
Connection capacity flexible	0.14 mm ² ... 1.5 mm ²
Connection capacity AWG	26 ... 16

Dimensions

Width	8.3 mm
Height	21.6 mm
Depth	17.7 mm

Material specifications

Color	blue (RAL 5015)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	No
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see 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 (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Mounting

Mounting type	for snapping onto a DIN rail adapter
	Direct mounting with flange
	Free-hanging

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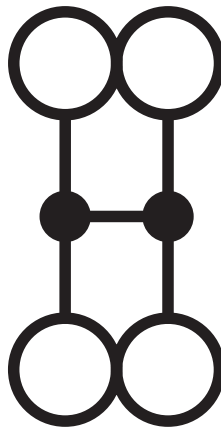
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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1221505>



IECEx

Approval ID: IECExSEV21.0023U



ATEX

Approval ID: SEV21ATEX0557U



CCC

Approval ID: 2022122313115884



UKCA-EX

Approval ID: CML 22UKEX3672U

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Classifications

ECLASS

ECLASS-13.0	27250118
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ETIM

ETIM 9.0	EC000897
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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