

PTFIX 12X2,5-NS35 BU-EX - Distribution block

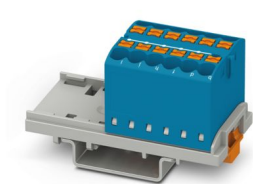


1221413

<https://www.phoenixcontact.com/gb/products/1221413>

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.

Distribution block, Ex e certified, mounting type: NS 35/7,5, NS 35/15, color: blue



Your advantages

- Ex e certified
- Flexible use, thanks to DIN rail mounting, direct mounting or adhesive mounting
- Time-saving conductor connection, thanks to tool-free Push-in direct connection technology
- Time savings of up to 80 %, thanks to ready-to-mount blocks without manual bridging
- Space savings of up to 50 % on the DIN rail, thanks to transverse mounting
- Clear wiring, thanks to eleven different color variants

Commercial data

Item number	1221413
Packing unit	8 pc
Minimum order quantity	8 pc
Sales key	BEA114
Product key	BEA114
GTIN	4063151308476
Weight per piece (including packing)	27.74 g
Weight per piece (excluding packing)	22.22 g
Country of origin	PL

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

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	8 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Stripping length	8 mm ... 10 mm
------------------	----------------

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	1204517 SZF 1-0,6X3,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-5 / 3030161
Bridge data	23 A (2.5 mm²)
Ex temperature increase	40 K (22.5 A / 2.5 mm²)
Rated insulation voltage	400 V
output	(Permanent)

Ex level General

Rated voltage	440 V
Rated current	22.5 A (2.5 mm²)
Maximum load current	27 A (4 mm²)
Contact resistance	0.6 mΩ

Ex connection data General

Nominal cross section	2.5 mm²
Rated cross section AWG	14
Connection capacity rigid	0.14 mm² ... 4 mm²

PTFIX 12X2,5-NS35 BU-EX - Distribution block



1221413

<https://www.phoenixcontact.com/gb/products/1221413>

Connection capacity AWG	26 ... 12
Connection capacity flexible	0.14 mm² ... 2.5 mm²
Connection capacity AWG	26 ... 14

Dimensions

Width	28.6 mm
Height	58.1 mm
Depth on NS 15	30.4 mm
Depth on NS 35/7,5	32.4 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
-----------------	----

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	NS 35/7,5
	NS 35/15

Drawings

Circuit diagram



PTFIX 12X2,5-NS35 BU-EX - Distribution block



1221413

<https://www.phoenixcontact.com/gb/products/1221413>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1221413>



IECEx

Approval ID: IECExSEV21.0023U



ATEX

Approval ID: SEV21ATEX0557U



CCC

Approval ID: 2022122313115884



UKCA-EX

Approval ID: CML 22UKEX3672U

PTFIX 12X2,5-NS35 BU-EX - Distribution block



1221413

<https://www.phoenixcontact.com/gb/products/1221413>

Classifications

ECLASS

ECLASS-13.0	27250118
-------------	----------

ETIM

ETIM 9.0	EC000897
----------	----------

PTFIX 12X2,5-NS35 BU-EX - Distribution block



1221413

<https://www.phoenixcontact.com/gb/products/1221413>

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 2025 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk