

# PTFIX 6/18X2,5-NS35 BU-EX - Distribution block

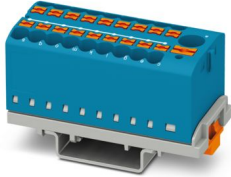


1221443

<https://www.phoenixcontact.com/gb/products/1221443>

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Distribution block, Block with vertical alignment and integrated supply, mounting type: NS 35/7,5, NS 35/15, color: blue



## Your advantages

- Ex e certified
- Space savings of up to 50 % on the DIN rail, thanks to transverse mounting
- 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
- Clear wiring, thanks to eleven different color variants

## Commercial data

Item number	1221443
Packing unit	8 pc
Minimum order quantity	8 pc
Sales key	BEA124
Product key	BEA124
GTIN	4063151309633
Weight per piece (including packing)	44.688 g
Weight per piece (excluding packing)	44.688 g
Country of origin	PL

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## Technical data

### Notes

#### General

Note	The maximum load current of a single clamping unit must not be exceeded.
	For power distribution applications, IEC 60364-4-43:2008; modified + corrigendum Okt. 2008 (DIN VDE 0100-430:2010-10) section 433.2 ff must be observed!

### 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

### Ex data

#### Rated data (ATEX/IECEx)

Identification	⊕ 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 (10 mm <sup>2</sup> )
Ex temperature increase	40 K (40 A / 6 mm <sup>2</sup> )
Rated insulation voltage	400 V
output	(Permanent)

#### Ex level General

Rated voltage	440 V
Maximum total current	55 A (10 mm <sup>2</sup> )
output	(Permanent)

#### Ex level Terminal point

Rated current	22.5 A (2.5 mm <sup>2</sup> )
Maximum load current	27 A (4 mm <sup>2</sup> )
Contact resistance	0.5 mΩ

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## Ex connection data Terminal point

Stripping length	8 mm ... 10 mm
Nominal cross section	2.5 mm <sup>2</sup>
Rated cross section AWG	14
Connection capacity rigid	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Connection capacity AWG	26 ... 12
Connection capacity flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection capacity AWG	26 ... 14
output	(Permanent)

## Ex level Feed-in contact

Rated current	40 A (6 mm <sup>2</sup> )
Maximum load current	55 A (10 mm <sup>2</sup> )
Contact resistance	0.2 mΩ

## Ex connection data Feed-in contact

Stripping length	10 mm ... 12 mm
Nominal cross section	6 mm <sup>2</sup>
Rated cross section AWG	10
Connection capacity rigid	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Connection capacity AWG	20 ... 8
Connection capacity flexible	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Connection capacity AWG	20 ... 8

## 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
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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.)
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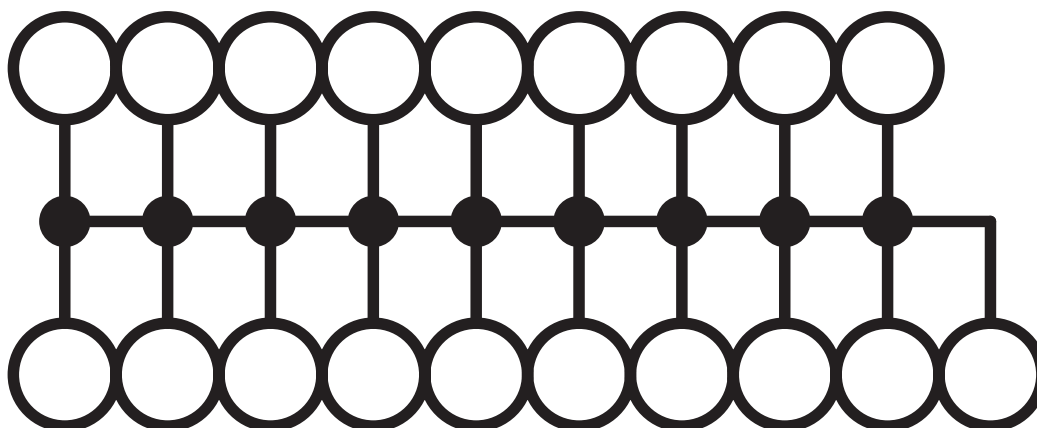
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Mounting

Mounting type	NS 35/7,5
	NS 35/15

Drawings

Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1221443>



**IECEx**

Approval ID: IECExSEV21.0023U



**ATEX**

Approval ID: SEV21ATEX0557U



**UKCA-EX**

Approval ID: CML 22UKEX3672U



**CCC**

Approval ID: 2026322303007145

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## Classifications

### ECLASS

ECLASS-13.0	27250118
ECLASS-15.0	27250118

### ETIM

ETIM 10.0	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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