

PTFIX 6/6X2,5 BU-EX - Distribution block



1221452

<https://www.phoenixcontact.com/in/products/1221452>

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Distribution block, Ex e-certified basic terminal block with feed-in, mounting type: for snapping onto a DIN rail adapter, Direct mounting with flange, Free-hanging, 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	1221452
Packing unit	10 pc
Minimum order quantity	10 pc
Product key	BEA122
GTIN	4063151309459
Weight per piece (including packing)	19.72 g
Weight per piece (excluding packing)	19 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	0.77 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	3274054 PTFIX-NS35
	3274056 PTFIX-NS35A
	3274057 PTFIX-NS35A-FIX
	3274058 PTFIX-NS15A
	3274059 PTFIX-NS15A-FIX
	3274060 PTFIX-F
	3022263 CLIPFIX 15
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
1204517 SZF 1-0,6X3,5	
List of bridges	Plug-in bridge / FBS 2-5 / 3030161
Bridge data	23 A (10 mm²)
Ex temperature increase	40 K (40 A / 6 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

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Rated voltage when mounting on DIN rails	440 V
Rated voltage during direct mounting on mounting surface	440 V
Maximum total current	55 A (10 mm ²)
output	(Permanent)

Ex level Terminal point

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

Ex connection data Terminal point

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

Ex level Feed-in contact

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

Ex connection data Feed-in contact

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

Dimensions

Width	25.6 mm
Height	28.6 mm
Depth	21.7 mm

Material specifications

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

Mechanical properties

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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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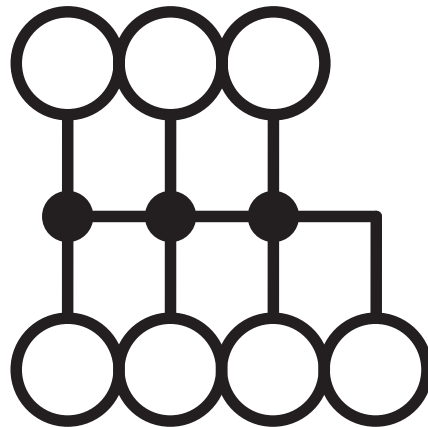
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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1221452>



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
ECLASS-11.0	27141120

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
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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Accessories

i Note: Applying some accessories below might limit this product.

FBS 2-5 - Plug-in bridge

3030161

<https://www.phoenixcontact.com/in/products/3030161>



Plug-in bridge, pitch: 5.2 mm, number of positions: 2, length: 23 mm, color: red

i Max. current carrying capacity: 24 A

FBS 2-5 BU - Plug-in bridge

3036877

<https://www.phoenixcontact.com/in/products/3036877>



Plug-in bridge, pitch: 5.2 mm, number of positions: 2, color: blue

i Max. current carrying capacity: 24 A

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FBS 2-5 GY - Plug-in bridge

3038969

<https://www.phoenixcontact.com/in/products/3038969>



Plug-in bridge, pitch: 5.2 mm, number of positions: 2, color: gray

 Max. current carrying capacity: 24 A

PTFIX-NS35 - DIN rail adapter

3274054

<https://www.phoenixcontact.com/in/products/3274054>



DIN rail adapter, depth: 11 mm, width: 28.6 mm, height: 58.1 mm, color: gray,
mounting type: NS 35/7,5

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PTFIX-NS35A - DIN rail adapter

3274056

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DIN rail adapter, depth: 11.9 mm, width: 10.3 mm, height: 45.7 mm, color: gray, mounting type: NS 35/7,5



PTFIX-NS35A-FIX - DIN rail adapter

3274057

<https://www.phoenixcontact.com/in/products/3274057>

DIN rail adapter, with end stop function, depth: 12 mm, width: 10.3 mm, height: 45.7 mm, color: gray, mounting type: NS 35/7,5



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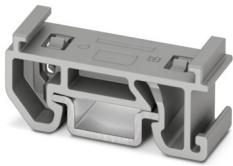
<https://www.phoenixcontact.com/in/products/1221452>

PTFIX-NS15A - DIN rail adapter

3274058

<https://www.phoenixcontact.com/in/products/3274058>

DIN rail adapter, depth: 10.8 mm, width: 10.3 mm, height: 28.6 mm, color: gray, mounting type: NS 15

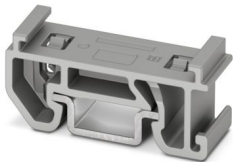


PTFIX-NS15A-FIX - DIN rail adapter

3274059

<https://www.phoenixcontact.com/in/products/3274059>

DIN rail adapter, with end stop function, depth: 10.8 mm, width: 10.3 mm, height: 28.6 mm, color: gray, mounting type: NS 15



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PTFIX-F - Flange

3274060

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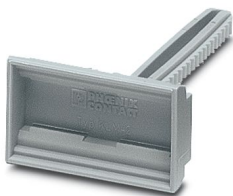


Flange, With screw fixing, for direct mounting of the 2.5 mm² and 4 mm² FIX blocks, depth: 21.7 mm, width: 8.6 mm, height: 28.6 mm, color: gray, mounting type: Screw mounting

KLM 2 - Terminal strip marker carrier

0807575

<https://www.phoenixcontact.com/in/products/0807575>



Terminal strip marker carrier, adjustable height, for CLIPFIX 15, CLIPFIX 35, and CLIPFIX 35-5 end brackets, can be marked using snap-in labels

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KLM 3-L - Terminal strip marker carrier

0814788

<https://www.phoenixcontact.com/in/products/0814788>



Terminal strip marker carrier, adjustable height, for CLIPFIX 15, CLIPFIX 35, and CLIPFIX 35-5 end brackets, can be marked using labels in 20 x 8 mm format

CEC 2,5 - Filler plug

3062757

<https://www.phoenixcontact.com/in/products/3062757>



Cover for conductor shaft, 10-pos., for spring cage terminal blocks (ST) and terminal blocks with push-in technology (PT) with a width of 5.2 mm

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PTFIX 2,5-RZ - Mounting adapter

1632417

<https://www.phoenixcontact.com/in/products/1632417>

Securing pin adapter, for direct mounting of 2.5 mm², 4 mm², and 10 mm² FIX blocks, color: gray



PAI-4-N GY - Test adapter

3032871

<https://www.phoenixcontact.com/in/products/3032871>

4 mm test adapter, for terminal blocks with 5.2 mm, 6.2 mm and 8.2 mm pitch



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MPS-MT - Test plug

0201744

<https://www.phoenixcontact.com/in/products/0201744>



Test plug, with solder connection up to 1 mm² conductor cross section, number of positions: 1, color: gray

MPS-IH WH - Insulating sleeve

0201663

<https://www.phoenixcontact.com/in/products/0201663>

Insulating sleeve, color: white



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MPS-IH RD - Insulating sleeve

0201676

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Insulating sleeve, color: red

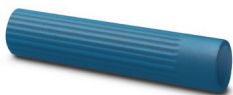


MPS-IH BU - Insulating sleeve

0201689

<https://www.phoenixcontact.com/in/products/0201689>

Insulating sleeve, color: blue



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MPS-IH YE - Insulating sleeve

0201692

<https://www.phoenixcontact.com/in/products/0201692>

Insulating sleeve, color: yellow



MPS-IH GN - Insulating sleeve

0201702

<https://www.phoenixcontact.com/in/products/0201702>

Insulating sleeve, color: green



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MPS-IH GY - Insulating sleeve

0201728

<https://www.phoenixcontact.com/in/products/0201728>

Insulating sleeve, color: gray



MPS-IH BK - Insulating sleeve

0201731

<https://www.phoenixcontact.com/in/products/0201731>

Insulating sleeve, color: black



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ISH 2,5/0,2 - Insulating sleeve

3002843

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Insulating sleeve, color: white



ISH 2,5/0,5 - Insulating sleeve

3002856

<https://www.phoenixcontact.com/in/products/3002856>

Insulating sleeve, color: gray



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ISH 2,5/1,0 - Insulating sleeve

3002869

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Insulating sleeve, color: black

TML (EX3,8)R - Marker strip

0801837

<https://www.phoenixcontact.com/in/products/0801837>



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, Number of individual labels: 12, text field height: 3.8 mm, text field width: 30000 mm

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TML (104X3,8)R - Marker strip

0801833

<https://www.phoenixcontact.com/in/products/0801833>



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 104 mm, Number of individual labels: 2500, text field height: 3.8 mm, text field width: 104 mm

TML (104X2,8)R - Marker strip

0801832

<https://www.phoenixcontact.com/in/products/0801832>



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 104 mm, Number of individual labels: 2500, text field height: 2.8 mm, text field width: 104 mm

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TML (EX2,8)R - Marker strip

0801836

<https://www.phoenixcontact.com/in/products/0801836>

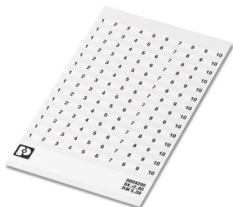


Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 30000 mm, Number of individual labels: 14, text field height: 2.8 mm, text field width: 30000 mm

SK 2,8 REEL P5,2 WH CUS - Marker card

8199986

<https://www.phoenixcontact.com/in/products/8199986>



Marker card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 5.2 mm

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SK 3,8 REEL P5,2 WH CUS - Marker card

8199989

<https://www.phoenixcontact.com/in/products/8199989>



Marker card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 5.2 mm

US-TML (104X3,8) - Marker for terminal blocks

0830768

<https://www.phoenixcontact.com/in/products/0830768>



Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, Number of individual labels: 22, text field height: 3.8 mm, text field width: 104 mm

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US-TML (104X2,8) - Marker for terminal blocks

0830767

<https://www.phoenixcontact.com/in/products/0830767>



Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, Number of individual labels: 26, text field height: 2.8 mm, text field width: 104 mm

SK U/3,8 WH:UNBEDRUCKT - Marker card

0803906

<https://www.phoenixcontact.com/in/products/0803906>



Marker card, Din A4, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, Number of individual labels: 1440, text field height: 3.8 mm, text field width: 186 mm

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SK U/2,8 WH:UNBEDRUCKT - Marker card

0803883

<https://www.phoenixcontact.com/in/products/0803883>



Marker card, Din A4, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, Number of individual labels: 3600, text field height: 2.8 mm, text field width: 186 mm

MM-TML (EX3,8)R C1 WH/BK - Label

1092026

<https://www.phoenixcontact.com/in/products/1092026>



Label, Roll, white/black, unlabeled, can be labeled with: THERMOFOX, THERMOMARK GO, THERMOMARK GO.K, mounting type: adhesive, Number of individual labels: 1, text field height: 3.8 mm, text field width: 8000 mm

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MPS-MT SN - Test plug

3212251

<https://www.phoenixcontact.com/in/products/3212251>



Test plug, with solder connection up to 1 mm² conductor cross section, tin-plated surface, number of positions: 1, color: silver

SZF 1-0,6X3,5 - Screwdriver

1204517

<https://www.phoenixcontact.com/in/products/1204517>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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