PTFIX 2X2,5 BU - Monoblock

1028068

https://www.phoenixcontact.com/ro/produse/1028068

Vă rugăm să țineți cont de faptul că datele afișate în acest document PDF au fost generate din catalogul nostru online. Datele complete sunt disponibile în documentația pentru utilizator. În cazul descărcărilor, se aplică Termenii și condițiile generale de utilizare ale companiei noastre.



Monoblock, Basic terminal block, nom. voltage: 450 V, nominal current: 24 A, number of connections: 2, connection method: Push-in connection, cross section: 0.14 mm^2 - 4 mm^2, mounting type: for snapping onto a DIN rail adapter, Direct mounting with flange, Free-hanging, color: blue

Avantajele dumneavoastră

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

Date comerciale

Număr articol	1028068
Unitate de ambalare	50 Bucată
Cantitate minimă pentru comandă	50 Bucată
Cod produs	BEA111
Pagina de catalog	Pagina 439 (C-1-2019)
GTIN	4055626524801
Greutate pe bucată (inclusiv ambalajul)	3,7 g
Greutate pe bucată (fără ambalaj)	3,333 g
Cod tarifar vamal	85369010
Țara de origine	PL

Date tehnice

Notes

General

Note	The maximum load current of a single clamping unit must not be exceeded.

Product properties

Product type	Distributor terminal block
Number of connections	2
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

Number of connections per level	2
Nominal cross section	2.5 mm²
Rated cross section AWG	12
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60998-2-2
Conductor cross section rigid	0.14 mm² ... 4 mm²
Cross section AWG	26 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm² ... 2.5 mm²
Conductor cross section, flexible [AWG]	26 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² ... 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² ... 2.5 mm²
Nominal current	24 A
Maximum load current	27 A
Nominal voltage	450 V

Connection cross sections directly pluggable

Conductor cross section rigid	0.34 mm² ... 4 mm²
Conductor cross section, rigid [AWG]	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.34 mm² ... 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm² ... 2.5 mm²

Dimensions

Width	5.2 mm
Height	28.6 mm
Depth	21.7 mm

Material specifications

Color	blue
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Electrical tests

Surge voltage test

Test voltage setpoint	9.8 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 2.5 mm²	0.3 kA
Short-time withstand current 4 mm²	0.48 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No

Mechanical tests

Mechanical strength

Result	Test passed

Attachment on the carrier

DIN rail/fixing support	NS 35
Test force setpoint	1 N
Result	Test passed
Note	When aligning several blocks, the foot elements should be placed in a way that maximum 5 blocks are free-hanging in between. Flange elements should be placed after every 9 blocks.
	Depending on the application case and mechanical load, other arrangements of the mounting accessory can also be chosen.
	One DIN rail adapter PTFIX-NS35 is intended for maximum 11 blocks.

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.14 mm² / 0.2 kg
	2.5 mm² / 0.7 kg
	4 mm² / 0.9 kg
Result	Test passed

Environmental and real-life conditions

Aging

Temperature cycles	192
Result	Test passed

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 2, bogie-mounted
Frequency	f_1 = 5 Hz to f_2 = 250 Hz
ASD level	6.12 (m/s²)²/Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	30g

Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

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, no longer than 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 %

Standards and regulations

Connection in acc. with standard	IEC 60998-2-2

Mounting

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

Desene

Circuit diagram



Aprobări

To download certificates, visit the product detail page: https://www.phoenixcontact.com/ro/produse/1028068

DNV
ID de înregistrare: TAE00002TT-04

	Tensiune nominală U_N	Curent nominal I_N	Secțiune transversală AWG	Secțiune transversală mm^2
	500 V	24 A	-	-

CSA
ID de înregistrare: 13631

	Tensiune nominală U_N	Curent nominal I_N	Secțiune transversală AWG	Secțiune transversală mm^2
Use group B				
	300 V	20 A	26 - 12	-
Use group C				
	300 V	20 A	26 - 12	-
Use group D				
	600 V	5 A	26 - 12	-

IECEE CB Scheme
ID de înregistrare: DE1-63085

	Tensiune nominală U_N	Curent nominal I_N	Secțiune transversală AWG	Secțiune transversală mm^2
	450 V	24 A	-	- 2.5

EAC
ID de înregistrare: RU C-DE.BL08.B.00644

LR
ID de înregistrare: LR2002627TA

BV
ID de înregistrare: 59146/A0 BV

EAC
ID de înregistrare: RU C-DE.BE.B.03378

VDE Zeichengenehmigung
ID de înregistrare: 40047798

	Tensiune nominală U_N	Curent nominal I_N	Secțiune transversală AWG	Secțiune transversală mm^2
	450 V	24 A	-	0.2 - 2.5

cULus Recognized
ID de înregistrare: E60425

	Tensiune nominală U_N	Curent nominal I_N	Secțiune transversală AWG	Secțiune transversală mm^2
Use group B				
	300 V	20 A	26 - 12	-
Use group C				
	300 V	20 A	26 - 12	-
Use group F				
	600 V	20 A	26 - 12	-
Use group D				
	600 V	5 A	26 - 12	-

Clasificări

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250118

ETIM

ETIM 8.0	EC000897

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Îndeplinește cerințele conform directivei RoHS	Da, Nicio reglementare privind excepțiile

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	Nu există substanțe periculoase peste valorile limită

EU REACH SVHC

Trimitere la substanța candidată REACH (nr. CAS)	Nicio substanță cu un procentaj masic mai mare de 0,1 %

Accesorii

Indicație: Funcționarea produsului poate fi restricționată în cazul utilizării împreună cu unul din accesoriile prezentate mai jos.

FBS 2-5 - Plug-in bridge

3030161

https://www.phoenixcontact.com/ro/produse/3030161



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

Max. current carrying capacity: 24 A

FBS 2-5 BU - Plug-in bridge

3036877

https://www.phoenixcontact.com/ro/produse/3036877



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

Max. current carrying capacity: 24 A

FBS 2-5 GY - Plug-in bridge

3038969

https://www.phoenixcontact.com/ro/produse/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/ro/produse/3274054



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

PTFIX-NS35A - DIN rail adapter

3274056

https://www.phoenixcontact.com/ro/produse/3274056

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/ro/produse/3274057

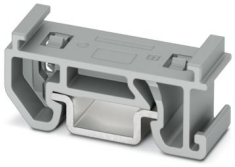
DIN rail adapter, with end stop function, depth: 12 mm, width: 10.3 mm, height: 45.7 mm, color: gray, mounting type: NS 35/7,5



PTFIX-NS15A - DIN rail adapter

3274058

https://www.phoenixcontact.com/ro/produse/3274058

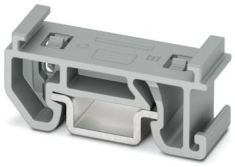


DIN rail adapter, depth: 10.8 mm, width: 10.3 mm, height: 28.6 mm, color: gray, mounting type: NS 15

PTFIX-NS15A-FIX - DIN rail adapter

3274059

https://www.phoenixcontact.com/ro/produse/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

PTFIX-F - Flange

3274060

https://www.phoenixcontact.com/ro/produse/3274060



Flange, with screw-on fixing, 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/ro/produse/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

KLM 3-L - Terminal strip marker carrier

0814788

https://www.phoenixcontact.com/ro/produse/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

MPS-MT 1-S - Test plug

1944372

https://www.phoenixcontact.com/ro/produse/1944372

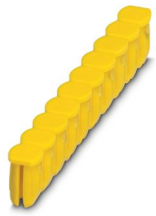
Test plug, consisting of 1.0 mm Ø test pin and 2.0 mm Ø socket



CEC 2,5 - Filler plug

3062757

https://www.phoenixcontact.com/ro/produse/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

PTFIX 2,5-RZ - Mounting adapter

1632417

https://www.phoenixcontact.com/ro/produse/1632417



Securing pin adapter, for direct mounting of 2.5 mm^2, 4 mm^2, and 10 mm^2 FIX blocks, color: gray

PAI-4-N GY - Test adapter

3032871

https://www.phoenixcontact.com/ro/produse/3032871



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

MPS-MT - Test plug

0201744

https://www.phoenixcontact.com/ro/produse/0201744



Test plug, with solder connection up to 1 mm^2 conductor cross section, number of positions: 1, color: gray

MPS-IH WH - Insulating sleeve

0201663

https://www.phoenixcontact.com/ro/produse/0201663

Insulating sleeve, color: white



MPS-IH RD - Insulating sleeve

0201676

https://www.phoenixcontact.com/ro/produse/0201676

Insulating sleeve, color: red

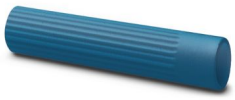


MPS-IH BU - Insulating sleeve

0201689

https://www.phoenixcontact.com/ro/produse/0201689

Insulating sleeve, color: blue



MPS-IH YE - Insulating sleeve

0201692

https://www.phoenixcontact.com/ro/produse/0201692

Insulating sleeve, color: yellow



MPS-IH GN - Insulating sleeve

0201702

https://www.phoenixcontact.com/ro/produse/0201702

Insulating sleeve, color: green



MPS-IH GY - Insulating sleeve

0201728

https://www.phoenixcontact.com/ro/produse/0201728

Insulating sleeve, color: gray



MPS-IH BK - Insulating sleeve

0201731

https://www.phoenixcontact.com/ro/produse/0201731

Insulating sleeve, color: black



ISH 2,5/0,2 - Insulating sleeve

3002843

https://www.phoenixcontact.com/ro/produse/3002843

Insulating sleeve, color: white



ISH 2,5/0,5 - Insulating sleeve

3002856

https://www.phoenixcontact.com/ro/produse/3002856



Insulating sleeve, color: gray

ISH 2,5/1,0 - Insulating sleeve

3002869

https://www.phoenixcontact.com/ro/produse/3002869



Insulating sleeve, color: black

TML (EX3,8)R - Marker strip

0801837

https://www.phoenixcontact.com/ro/produse/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, lettering field size: continuous x 3.8 mm, Number of individual labels: 12

TML (104X3,8)R - Marker strip

0801833

https://www.phoenixcontact.com/ro/produse/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, lettering field size: 104 x 3.8 mm, Number of individual labels: 2500

TML (104X2,8)R - Marker strip

0801832

https://www.phoenixcontact.com/ro/produse/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, lettering field size: 104 x 2.8 mm, Number of individual labels: 2500

TML (EX2,8)R - Marker strip

0801836

https://www.phoenixcontact.com/ro/produse/0801836

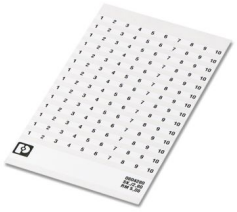


Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 30000 mm, lettering field size: continuous x 2.8 mm, Number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

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

8199986

https://www.phoenixcontact.com/ro/produse/8199986

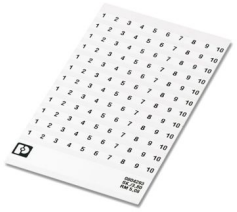


Marker card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 5.2 mm, lettering field size: continuous x 2.8 mm

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

8199989

https://www.phoenixcontact.com/ro/produse/8199989



Marker card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 5.2 mm, lettering field size: continuous x 3.8 mm

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

0830768

https://www.phoenixcontact.com/ro/produse/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, lettering field size: 104 x 3.8 mm, Number of individual labels: 22

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

0830767

https://www.phoenixcontact.com/ro/produse/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, lettering field size: 104 x 2.8 mm, Number of individual labels: 26

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

0803906

https://www.phoenixcontact.com/ro/produse/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, lettering field size: 186 x 3.8 mm, Number of individual labels: 1440

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

0803883

https://www.phoenixcontact.com/ro/produse/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, lettering field size: 186 x 2.8 mm, Number of individual labels: 3600

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

1092026

https://www.phoenixcontact.com/ro/produse/1092026



Label, Roll, white/black, unlabeled, can be labeled with: THERMOFOX, THERMOMARK GO, THERMOMARK GO.K, mounting type: adhesive, lettering field size: continuous x 2.8 mm, Number of individual labels: 1

MPS-MT SN - Test plug

3212251

https://www.phoenixcontact.com/ro/produse/3212251



Test plug, with solder connection up to 1 mm^2 conductor cross section, tin-plated surface, number of positions: 1, color: silver

PTFIX 2X2,5 BU - Monoblock

1028068

https://www.phoenixcontact.com/ro/produse/1028068

SZF 1-0,6X3,5 - Screwdriver

1204517

https://www.phoenixcontact.com/ro/produse/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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