

PTFIX 6X4-G GY - Distribution block



3273922

<https://www.phoenixcontact.com/us/products/3273922>

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, Basic terminal block, nom. voltage: 450 V, nominal current: 32 A, number of connections: 6, connection method: Push-in connection, cross section: 0.2 mm² - 6 mm², mounting type: adhesive, color: gray

Commercial data

Item number	3273922
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE09
Product key	BEA113
Catalog page	Page 448 (C-1-2019)
GTIN	4055626646947
Weight per piece (including packing)	16.54 g
Weight per piece (excluding packing)	15.74 g
Customs tariff number	85369010
Country of origin	PL

PTFIX 6X4-G GY - Distribution block



3273922

<https://www.phoenixcontact.com/us/products/3273922>

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

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	6
Number of rows	1

Data management status

Article revision	01
------------------	----

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Number of connections per level	6
Nominal cross section	4 mm ²
Rated cross section AWG	12
Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60998-2-2
Conductor cross section rigid	0.2 mm ² ... 6 mm ²
Cross section AWG	24 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.2 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.2 mm ² ... 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²
Nominal current	32 A
Maximum load current	63 A
Maximum total current	41 A
Nominal voltage	450 V

PTFIX 6X4-G GY - Distribution block



3273922

<https://www.phoenixcontact.com/us/products/3273922>

Connection cross sections directly pluggable

Conductor cross section rigid	0.5 mm² ... 6 mm²
Conductor cross section, rigid [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.75 mm² ... 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² ... 4 mm²

Dimensions

Width	18.5 mm
Height	28.6 mm
Depth	22.7 mm

Material specifications

Color	gray (RAL 7042)
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

Mechanical properties

Mechanical data

Open side panel	No
-----------------	----

Mechanical tests

Attachment on the carrier

Result	Test passed
Note	When aligning several blocks, it is recommended to either place a DIN rail adapter underneath the connection point or a flange element between the blocks.
	For versions with 6 or 7 connections, it is enough to place one DIN rail adapter centrally per block and place flange elements after every other block.
	When using the DIN rail adapter PTFIX-NS35, an aligned block must not protrude by more than a half.

PTFIX 6X4-G GY - Distribution block



3273922

<https://www.phoenixcontact.com/us/products/3273922>

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-35 °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	adhesive
---------------	----------

PTFIX 6X4-G GY - Distribution block

3273922

<https://www.phoenixcontact.com/us/products/3273922>



Drawings

Circuit diagram



PTFIX 6X4-G GY - Distribution block



3273922

<https://www.phoenixcontact.com/us/products/3273922>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3273922>

DNV Approval ID: TAE00002TT-04				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	500 V	24 A	-	-

CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	32 A	24 - 10	-
Use group C				
	600 V	32 A	24 - 10	-

CB IECEE CB Scheme Approval ID: DE1-63087				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	450 V	32 A	-	- 4

EAC Approval ID: RU C-DE.BL08.B.00644				
--	--	--	--	--

LR Approval ID: LR2002627TA				
--------------------------------	--	--	--	--

BV Approval ID: 59146/A0 BV				
--------------------------------	--	--	--	--

VDE Zeichengenehmigung Approval ID: 40047798				
---	--	--	--	--

cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	32 A	24 - 10	-
Use group C				

PTFIX 6X4-G GY - Distribution block



3273922

<https://www.phoenixcontact.com/us/products/3273922>

	600 V	32 A	24 - 10	-
--	-------	------	---------	---

PTFIX 6X4-G GY - Distribution block



3273922

<https://www.phoenixcontact.com/us/products/3273922>

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250118

ETIM

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

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

PTFIX 6X4-G GY - Distribution block



3273922

<https://www.phoenixcontact.com/us/products/3273922>

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 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com