

Distribution block - PTFIX 10/12X4-NS35 WH



3273626

<https://www.phoenixcontact.com/de/produkte/3273626>

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, connection method: Push-in connection, Load contact, Rated cross section: 10 mm², cross section: 0.5 mm² - 10 mm², Push-in connection, Line contact, cross section: 0.2 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: white

Your advantages

- 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	3273626
Packing unit	8 pc
Minimum order quantity	8 pc
Sales Key	A1 - Reihenklemmen
Product Key	BEA123
Catalog Page	Page 453 (C-1-2019)
GTIN	4055626667447
Weight per Piece (including packing)	42,287 g
Weight per Piece (excluding packing)	42,287 g
Customs tariff number	85369010
Country of origin	PL

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 connections	13
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	1.02 W

Connection data

Service Entrance	yes
Number of connections per level	13
Nominal cross section	4 mm ²
Rated cross section AWG	10

Load contact

Stripping length	12 mm ... 14 mm
Connection in acc. with standard	IEC 60998-2-2
Conductor cross section solid	0.5 mm ² ... 10 mm ²
Cross section AWG	20 ... 6 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 10 mm ²
Conductor cross section, flexible [AWG]	20 ... 8 (converted acc. to IEC)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.5 mm ² ... 10 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 10 mm ²
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm ² ... 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 4 mm ²
Nominal cross section	10 mm ²

Distribution block - PTFIX 10/12X4-NS35 WH



3273626

<https://www.phoenixcontact.com/de/produkte/3273626>

Line contact

Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid	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)
Flexible conductor cross section flexible (ferrule, w/o 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	63 A
Nominal voltage	800 V

Load contact Connection cross sections directly pluggable

Conductor cross section solid	0.5 mm ² ... 16 mm ²
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	1 mm ² ... 10 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	1 mm ² ... 10 mm ²

Line contact Connection cross sections directly pluggable

Conductor cross section solid	0.5 mm ² ... 6 mm ²
Conductor cross section, solid [AWG]	20 ... 10 (converted acc. to IEC)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.75 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 4 mm ²

Dimensions

Width	28.6 mm
Height NS 15	30.4 mm
Height NS 35/7,5	32.4 mm
Length	58.1 mm

Material specifications

Color	white
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 10 mm ²	1.2 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	2 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/NS 15
Test force setpoint	5 N
Result	Test passed
Note	<p>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.</p> <p>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.</p> <p>When using the DIN rail adapter PTFIX-NS35, an aligned block must not protrude by more than a half.</p>

Test for conductor damage and slackening

Distribution block - PTFIX 10/12X4-NS35 WH



3273626

<https://www.phoenixcontact.com/de/produkte/3273626>

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.5 mm ² / 0.3 kg 10 mm ² / 2 kg
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.2 mm ² / 0.2 kg 4 mm ² / 0.9 kg 6 mm ² / 1.4 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	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s ²) 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 ... 105 °C (max. short-term operating temperature RTI Elec.)
---------------------------------	---

Distribution block - PTFIX 10/12X4-NS35 WH



3273626

<https://www.phoenixcontact.com/de/produkte/3273626>

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 (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60998-2-2
	IEC 60947-7-1

Mounting

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

Distribution block - PTFIX 10/12X4-NS35 WH

3273626

<https://www.phoenixcontact.com/de/produkte/3273626>



Drawings

Circuit diagram



Distribution block - PTFIX 10/12X4-NS35 WH



3273626


<https://www.phoenixcontact.com/de/produkte/3273626>


Approvals

 **CSA**
Approval ID: 13631

 **IECEE CB Scheme**
Approval ID: DE1-62701

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	800 V	57 A	-	- 10

 **EAC**
Approval ID: RU C-DE.AI30.B.01102

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

 **VDE Zeichengenehmigung**
Approval ID: 40047797

 **cULus Recognized**
Approval ID: E60425

Distribution block - PTFIX 10/12X4-NS35 WH



3273626

<https://www.phoenixcontact.com/de/produkte/3273626>

Classifications

ECLASS

ECLASS-9.0	27141120
ECLASS-10.0.1	27141120
ECLASS-11.0	27141120

ETIM

ETIM 8.0	EC000897
----------	----------

UNSPSC

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

Distribution block - PTFIX 10/12X4-NS35 WH



3273626

<https://www.phoenixcontact.com/de/produkte/3273626>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
------------	---

Phoenix Contact 2023 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Deutschland GmbH
Flachmarktstraße 8
D-32825 Blomberg
+49 52 35/3-1 20 00
info@phoenixcontact.de