

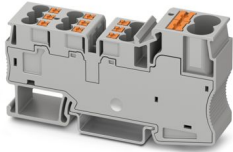
PT 2X10/9X4 - Potential collective terminal



3002369

<https://www.phoenixcontact.com/us/products/3002369>

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.



Potential collective terminal, nom. voltage: 1000 V, nominal current: 57 A, Line contact, connection method: Push-in connection, Rated cross section: 10 mm², cross section: 0.5 mm² - 16 mm², Load contact, connection method: Push-in connection, Rated cross section: 4 mm², cross section: 0.5 mm² - 6 mm², mounting: NS 35/7,5, NS 35/15, color: gray

Commercial data

Item number	3002369
Packing unit	25 pc
Minimum order quantity	25 pc
Sales key	BE22
Product key	BE2219
GTIN	4055626431086
Weight per piece (including packing)	50.28 g
Weight per piece (excluding packing)	48 g
Customs tariff number	85369010
Country of origin	IN

PT 2X10/9X4 - Potential collective terminal



3002369

<https://www.phoenixcontact.com/us/products/3002369>

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	Potential distributor
Product family	PT
Number of connections	11
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	2

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Number of connections per level	11
Nominal cross section	4 mm ²

Line contact

Connection method	Push-in connection
Stripping length	20 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.5 mm ² ... 16 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)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 10 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm ² ... 10 mm ²
Nominal cross section	10 mm ²
Nominal current	57 A
Maximum load current	101 A (with 2x10 mm ² conductor cross-section)
Nominal voltage	1000 V

Load contact

PT 2X10/9X4 - Potential collective terminal



3002369

<https://www.phoenixcontact.com/us/products/3002369>

Connection method	Push-in connection
Stripping length	12 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.5 mm ² ... 6 mm ²
Cross section AWG	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm ² ... 4 mm ²
Conductor cross-section, flexible [AWG]	20 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 4 mm ²
Flexible conductor cross-section (ferrule with 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 ... 1 mm ²
Nominal cross section	4 mm ²
Nominal current	32 A
Maximum load current	36 A (with 6 mm ² conductor cross-section)
Nominal voltage	1000 V

Line contact Connection cross sections directly pluggable

Conductor cross-section rigid	1 mm ² ... 16 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 10 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm ² ... 10 mm ²

Load contact Connection cross sections directly pluggable

Conductor cross-section rigid	0.5 mm ² ... 6 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 4 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm ² ... 4 mm ²

Dimensions

Width	18.5 mm
Height	83.2 mm
Depth	42.4 mm
Depth on NS 35/7,5	47.9 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	PA 6.6
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °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
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed

PT 2X10/9X4 - Potential collective terminal



3002369

<https://www.phoenixcontact.com/us/products/3002369>

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	2.4 kA
Short-time withstand current 4 mm ²	2.4 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	2.2 kV
Result	Test passed

Mechanical properties

Mechanical data

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

Mechanical tests

Mechanical strength

Result	Test passed
--------	-------------

Attachment on the carrier

Result	Test passed
--------	-------------

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross-section/weight	0.5 mm ² / 0.3 kg
	10 mm ² / 2 kg
	16 mm ² / 2.9 kg
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross-section/weight	0.5 mm ² / 0.3 kg
	4 mm ² / 0.9 kg
	6 mm ² / 1.4 kg
Result	Test passed

PT 2X10/9X4 - Potential collective terminal



3002369

<https://www.phoenixcontact.com/us/products/3002369>

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):2018-05
Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

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, 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 %

Standards and regulations

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

Mounting

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

PT 2X10/9X4 - Potential collective terminal

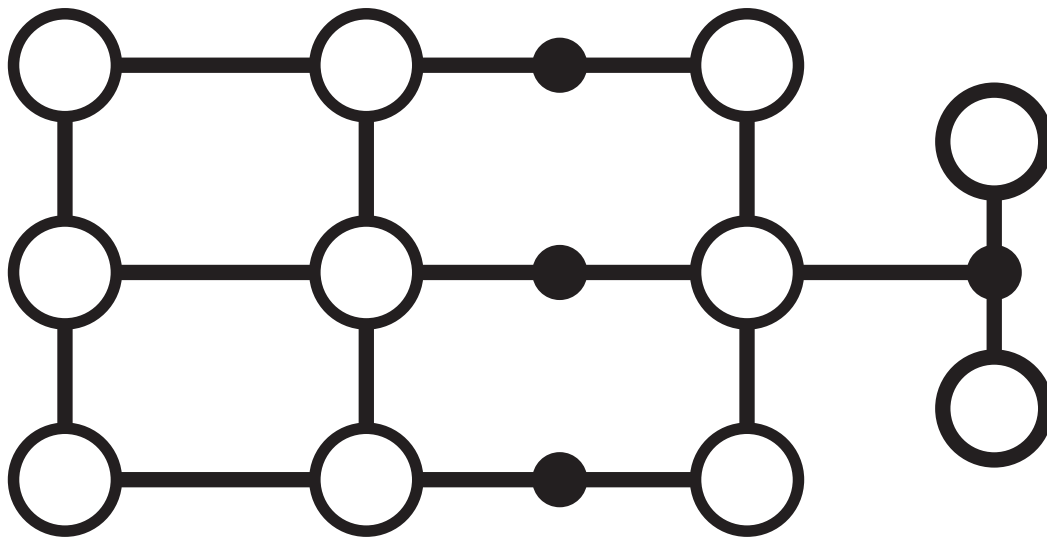


3002369

<https://www.phoenixcontact.com/us/products/3002369>

Drawings

Circuit diagram



PT 2X10/9X4 - Potential collective terminal



3002369

<https://www.phoenixcontact.com/us/products/3002369>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3002369>



EAC

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



cULus Recognized

Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
Output	600 V	25 A	20 - 10	-
Input	600 V	50 A	20 - 8	-
C				
Output	600 V	25 A	20 - 10	-
Input	600 V	50 A	20 - 8	-
F				
Output	1000 V	25 A	20 - 10	-
Input	1000 V	50 A	20 - 8	-



EAC

Approval ID: KZ7500651131219505

PT 2X10/9X4 - Potential collective terminal



3002369

<https://www.phoenixcontact.com/us/products/3002369>

Classifications

ECLASS

ECLASS-13.0	27250119
ECLASS-15.0	27250119

ETIM

ETIM 10.0	EC000897
-----------	----------

UNSPSC

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

PT 2X10/9X4 - Potential collective terminal



3002369

<https://www.phoenixcontact.com/us/products/3002369>

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%
-------------------------------------	----------------------------

EF3.1 Climate Change

CO2e kg	0.237 kg CO2e
---------	---------------

Phoenix Contact 2026 © - 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