

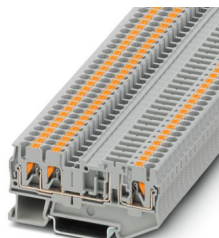
PT 2,5-TWIN-TG - Disconnect terminal block



3210198

<https://www.phoenixcontact.com/us/products/3210198>

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.



Disconnect terminal block, The max. load current must not be exceeded by the total current of all connected conductors.

Current and voltage are determined by the plug used., nom. voltage: 400 V, Thermal continuous current I_{th} : 20 A, connection method: Push-in connection, Rated cross section: 2.5 mm^2 , cross section: 0.14 mm^2 - 4 mm^2 , mounting: NS 35/7,5, NS 35/15, color: gray

Your advantages

- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- The compact design and front connection enable wiring in a confined space
- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off

Commercial data

Item number	3210198
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE22
Product key	BE2232
GTIN	4046356333573
Weight per piece (including packing)	9.435 g
Weight per piece (excluding packing)	8.606 g
Customs tariff number	85369010
Country of origin	PL

PT 2,5-TWIN-TG - Disconnect terminal block



3210198

<https://www.phoenixcontact.com/us/products/3210198>

Technical data

Notes

General	The max. load current must not be exceeded by the total current of all connected conductors. Current and voltage are determined by the plug used.
---------	--

Product properties

Product type	Disconnect terminal block
Product family	PT
Number of connections	3
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	3
Nominal cross section	2.5 mm ²
Connection method	Push-in connection
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.14 mm ² ... 4 mm ²
Cross section AWG	26 ... 12 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm ² ... 4 mm ²
Conductor cross-section, flexible [AWG]	26 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 2.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm ² ... 2.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ²
Thermal continuous current I _{th}	20 A (with 4 mm ² conductor cross-section, rigid)
Maximum load current	20 A (with 4 mm ² conductor cross-section, rigid)
Nominal voltage	400 V
Nominal cross section	2.5 mm ²

Connection cross sections directly pluggable

Conductor cross-section rigid	0.34 mm ² ... 4 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 2.5 mm ²

PT 2,5-TWIN-TG - Disconnect terminal block



3210198

<https://www.phoenixcontact.com/us/products/3210198>

Flexible conductor cross-section (ferrule with plastic sleeve)	0.34 mm ² ... 2.5 mm ²
--	--

Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height	74 mm
Depth on NS 35/7,5	36.5 mm
Depth on NS 35/15	44 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
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
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Electrical tests

Surge voltage test

Test voltage setpoint	7.3 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 mm ²	2.4 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	Yes
-----------------	-----

Mechanical tests

PT 2,5-TWIN-TG - Disconnect terminal block



3210198

<https://www.phoenixcontact.com/us/products/3210198>

Mechanical strength

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

Attachment on the carrier

DIN rail/fixing support	NS 35
Test force setpoint	1 N
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):2022-06
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

Specification	DIN EN 50155 (VDE 0115-200):2018-05
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 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 %

PT 2,5-TWIN-TG - Disconnect terminal block



3210198

<https://www.phoenixcontact.com/us/products/3210198>

Standards and regulations

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

Mounting

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

PT 2,5-TWIN-TG - Disconnect terminal block



3210198

<https://www.phoenixcontact.com/us/products/3210198>

Drawings

Circuit diagram



PT 2,5-TWIN-TG - Disconnect terminal block



3210198

<https://www.phoenixcontact.com/us/products/3210198>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3210198>

DNV

Approval ID: TAE000010T



IECEE CB Scheme

Approval ID: DE1-65861

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	400 V	20 A	-	0.2 - 2.5



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				
Only flexible conductors	300 V	20 A	26 - 12	-
Only rigid conductors	300 V	16 A	26 - 12	-
C				
Only flexible conductors	300 V	20 A	26 - 12	-
Only rigid conductors	300 V	16 A	26 - 12	-
D				
	600 V	5 A	26 - 12	-



LR

Approval ID: LR2371832TA



NK

Approval ID: 14ME0912



BV


Approval ID: 25278/C1 BV


PT 2,5-TWIN-TG - Disconnect terminal block




3210198

<https://www.phoenixcontact.com/us/products/3210198>

 VDE Zeichengenehmigung Approval ID: 40036792				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	400 V	20 A	-	0.2 - 2.5

 EAC Approval ID: KZ7500651131219505				
---	--	--	--	--

 CSA Approval ID: 2030668				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
Only flexible conductors	300 V	20 A	26 - 12	-
Only rigid conductors	300 V	16 A	26 - 12	-
C				
Only flexible conductors	300 V	20 A	26 - 12	-
Only rigid conductors	300 V	16 A	26 - 12	-
D				
	600 V	5 A	26 - 12	-

PT 2,5-TWIN-TG - Disconnect terminal block



3210198

<https://www.phoenixcontact.com/us/products/3210198>

Classifications

ECLASS

ECLASS-13.0	27250108
ECLASS-15.0	27250108

ETIM

ETIM 9.0	EC000902
----------	----------

UNSPSC

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

PT 2,5-TWIN-TG - Disconnect terminal block



3210198

<https://www.phoenixcontact.com/us/products/3210198>

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 2025 © - 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