

STS 2,5-TG - Disconnect terminal block



3037009

<https://www.phoenixcontact.com/us/products/3037009>

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, Current and voltage are determined by the plug used., nom. voltage: 400 V, Thermal continuous current I_{th} : 20 A, connection method: Spring-cage connection, Rated cross section: 2.5 mm², cross section: 0.08 mm² - 4 mm², mounting: NS 35/7,5, NS 35/15, color: gray

Your advantages

- Simple wiring of very small, flexible conductors
- Enables one-handed wiring
- No restriction on cross-sections when using conductors with ferrules
- Reliable vibration resistance thanks to spring-loaded contact elements
- Individual and easy assembly with isolating plug, fuse plug, component connector, and feed-through connector
- Full flexibility thanks to the standardized CLIPLINE complete bridging, marking, and testing accessories

Commercial data

Item number	3037009
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE02
Product key	BE2132
GTIN	4017918904500
Weight per piece (including packing)	7.3 g
Weight per piece (excluding packing)	7.3 g
Customs tariff number	85369010
Country of origin	TR

STS 2,5-TG - Disconnect terminal block



3037009

<https://www.phoenixcontact.com/us/products/3037009>

Technical data

Notes

General

Note	The max. load current must not be exceeded by the total current of all connected conductors.
------	--

Product properties

Product type	Disconnect 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

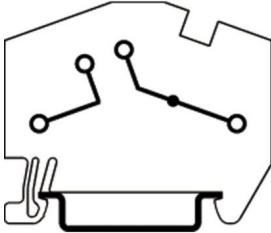
Number of connections per level	2
Nominal cross section	2.5 mm ²
Connection method	Spring-cage connection
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.08 mm ² ... 4 mm ²
Cross section AWG	28 ... 12 (converted acc. to IEC)
Conductor cross-section flexible	0.08 mm ² ... 2.5 mm ²
Conductor cross-section, flexible [AWG]	28 ... 14 (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
Nominal cross section	2.5 mm ²
Thermal continuous current I_{th}	20 A (with 6 mm ² conductor cross-section)
Maximum load current	20 A (with 4 mm ² conductor cross-section)
Nominal voltage	400 V (voltage is determined by the plug used)

Dimensions

STS 2,5-TG - Disconnect terminal block

3037009

<https://www.phoenixcontact.com/us/products/3037009>

Dimensional drawing	
Width	5.2 mm
End cover width	2.2 mm
Height	50.8 mm
Depth on NS 35/7,5	43 mm
Depth on NS 35/15	50.5 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 \leq 45 K
Result	Test passed
	Test passed
Short-time withstand current 2.5 mm ²	0.3 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

STS 2,5-TG - Disconnect terminal block



3037009

<https://www.phoenixcontact.com/us/products/3037009>

Mechanical properties

Mechanical data

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

Mechanical tests

Attachment on the carrier

DIN rail/fixing support	NS 32/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):2008-03
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

STS 2,5-TG - Disconnect terminal block



3037009

<https://www.phoenixcontact.com/us/products/3037009>

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

Mounting

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

STS 2,5-TG - Disconnect terminal block

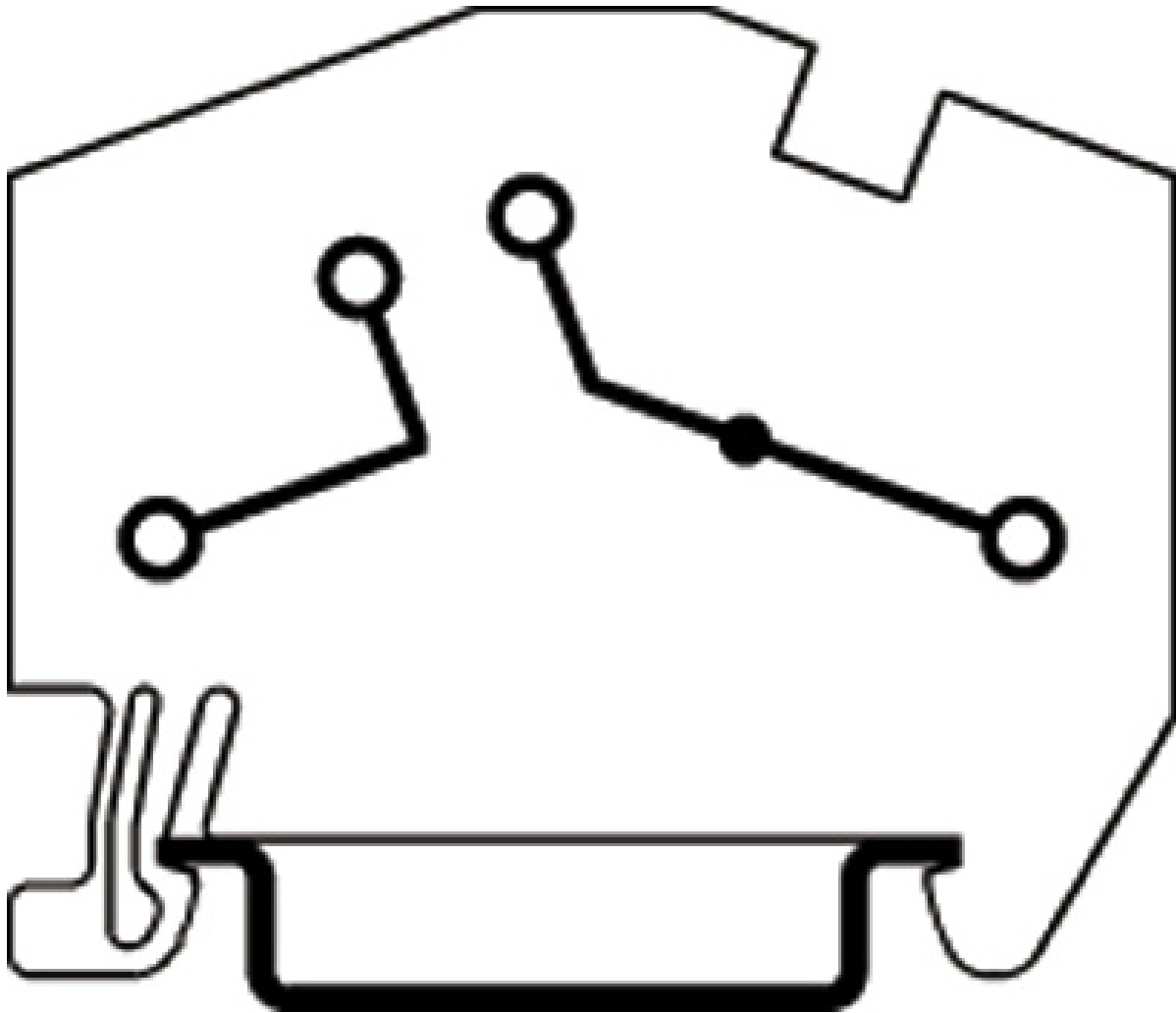


3037009

<https://www.phoenixcontact.com/us/products/3037009>

Drawings

Dimensional drawing



STS 2,5-TG - Disconnect terminal block



3037009

<https://www.phoenixcontact.com/us/products/3037009>

Circuit diagram



STS 2,5-TG - Disconnect terminal block




3037009


<https://www.phoenixcontact.com/us/products/3037009>


Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3037009>


 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	300 V	16 A	28 - 12	-
C	150 V	16 A	28 - 12	-
D	300 V	10 A	28 - 12	-

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

 LR Approval ID: LR21234196TA				
--	--	--	--	--

 NK Approval ID: 06ME279				
---	--	--	--	--

ABS Approval ID: 21-2158220-PDA				
---	--	--	--	--

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	300 V	16 A	28 - 12	-
D	300 V	16 A	28 - 12	-

DNV Approval ID: TAE00001CS				
---------------------------------------	--	--	--	--

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

STS 2,5-TG - Disconnect terminal block

3037009

<https://www.phoenixcontact.com/us/products/3037009>



STS 2,5-TG - Disconnect terminal block



3037009

<https://www.phoenixcontact.com/us/products/3037009>

Classifications

ECLASS

ECLASS-13.0	27250108
ECLASS-15.0	27250108

ETIM

ETIM 10.0	EC000902
-----------	----------

UNSPSC

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

STS 2,5-TG - Disconnect terminal block



3037009

<https://www.phoenixcontact.com/us/products/3037009>

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	0.007 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