

STS 2,5 RD - Feed-through terminal block



3037601

<https://www.phoenixcontact.com/us/products/3037601>

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.



Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, number of connections: 2, connection method: Spring-cage connection, 1 level, Rated cross section: 2.5 mm², cross section: 0.08 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, color: red

Your advantages

- User-friendly wiring thanks to front connection
- Angled conductor entry for use in flat terminal boxes
- Feed-through terminal blocks with 2, 3 or 4 connections have the same shape
- Large space saving when used in concealed wiring systems

Commercial data

Item number	3037601
Packing unit	1 pc
Minimum order quantity	50 pc
Sales key	BE02
Product key	BE2111
Catalog page	Page 268 (C-3-2013)
GTIN	4046356053648
Weight per piece (including packing)	6.874 g
Weight per piece (excluding packing)	6.874 g
Customs tariff number	85369010
Country of origin	DE

STS 2,5 RD - Feed-through terminal block



3037601

<https://www.phoenixcontact.com/us/products/3037601>

Technical data

Product properties

Product type	Feed-through terminal block
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
----------------------	-----

Electrical properties

Rated surge voltage	8 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

1 level

Stripping length	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 current	24 A
Maximum load current	31 A (with 4 mm ² conductor cross section)
Nominal voltage	800 V
Nominal cross section	2.5 mm ²

Ex data

Rated data (ATEX/IECEx)

Identification	⊕ II 2 G Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3031762 D-ST5 2,5 3206209 ATP-QTC 1204517 SZF 1-0,6X3,5 3022276 CLIPFIX 35-5

STS 2,5 RD - Feed-through terminal block



3037601

<https://www.phoenixcontact.com/us/products/3037601>

	3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-5 / 3030161
	Plug-in bridge / FBS 3-5 / 3030174
	Plug-in bridge / FBS 4-5 / 3030187
	Plug-in bridge / FBS 5-5 / 3030190
	Plug-in bridge / FBS 10-5 / 3030213
	Plug-in bridge / FBS 20-5 / 3030226
	Plug-in bridge / FBS 50-5 / 3038930
Bridge data	20.5 A / 2.5 mm ²
Ex temperature increase	40 K (20.5 A / 2.5 mm ²)
Rated voltage	550 V
for bridging with bridge	550 V
- At bridging between non-adjacent terminal blocks	352 V
- At cut-to-length bridging	275 V
- At cut-to-length bridging with cover	220 V
- At cut-to-length bridging with partition plate	352 V
Rated insulation voltage	500 V
output	(Permanent)

Ex level General

Rated current	20.5 A
Maximum load current	26.5 A
Contact resistance	1.04 mΩ

Ex connection data General

Nominal cross section	2.5 mm ²
Rated cross section AWG	14
Connection capacity rigid	0.08 mm ² ... 4 mm ²
Connection capacity AWG	28 ... 12
Connection capacity flexible	0.08 mm ² ... 2.5 mm ²
Connection capacity AWG	28 ... 14

Dimensions

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	red
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

STS 2,5 RD - Feed-through terminal block



3037601

<https://www.phoenixcontact.com/us/products/3037601>

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature 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 (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 RD - Feed-through terminal block





3037601


<https://www.phoenixcontact.com/us/products/3037601>


Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3037601>


 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	600 V	20 A	28 - 12	-
Use group C	600 V	20 A	28 - 12	-

 RS Approval ID: 22.44.01.00083.250				
--	--	--	--	--

 cULus Recognized Approval ID: E60425				
--	--	--	--	--


 cULus Recognized Approval ID: E60425				
--	--	--	--	--

 EAC Ex Approval ID: RU C-DE.HA91.B.00066				
--	--	--	--	--

 IECEx Approval ID: IECExPTB07.0024U				
---	--	--	--	--

 ATEX Approval ID: PTB07ATEX1027U				
--	--	--	--	--

 CCC Approval ID: 2020322313000621				
---	--	--	--	--

 UKCA-EX Approval ID: CSAE 22UKEX1141U				
---	--	--	--	--

STS 2,5 RD - Feed-through terminal block



3037601

<https://www.phoenixcontact.com/us/products/3037601>

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

ETIM

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

UNSPSC

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

STS 2,5 RD - Feed-through terminal block



3037601

<https://www.phoenixcontact.com/us/products/3037601>

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