

ST 1,5 RD - Feed-through terminal block



3037038

<https://www.phoenixcontact.com/sg/products/3037038>

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: 500 V, nominal current: 17.5 A, number of connections: 2, connection method: Spring-cage connection, 1 level, Rated cross section: 1.5 mm², cross section: 0.08 mm² - 1.5 mm², mounting type: NS 35/7,5, NS 35/15, color: red

Your advantages

- The consistent double function shaft offers every opportunity for time-saving potential distribution and accommodating test accessories
- As well as saving space, the compact design and front connection enable user-friendly wiring in a small amount of space
- The large wiring space enables the use of conductors with ferrules and plastic collars within the nominal cross section

Commercial data

Item number	3037038
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	0160*
Product key	BE2111
Catalog page	Page 204 (C-3-2013)
GTIN	4017918599478
Weight per piece (including packing)	5.14 g
Weight per piece (excluding packing)	4.97 g
Customs tariff number	85369010
Country of origin	DE

ST 1,5 RD - Feed-through terminal block



3037038

<https://www.phoenixcontact.com/sg/products/3037038>

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
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	0.56 W

Connection data

Number of connections per level	2
Nominal cross section	1.5 mm ²

1 level

Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A1
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.08 mm ² ... 1.5 mm ²
Cross section AWG	28 ... 16 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross section, flexible [AWG]	28 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 1.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ²
Nominal current	17.5 A
Maximum load current	17.5 A (with 1.5 mm ² conductor cross section)
Nominal voltage	500 V
Nominal cross section	1.5 mm ²

Ex data

Rated data (ATEX/IECEx)

Identification	Ⓔ II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 85 °C
Ex-certified accessories	3030417 D-ST 2,5
	3030721 ATP-ST 4
	1204504 SZF 0-0,4X2,5

ST 1,5 RD - Feed-through terminal block



3037038

<https://www.phoenixcontact.com/sg/products/3037038>

List of bridges	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
	Plug-in bridge / FBS 2-4 / 3030116
	Plug-in bridge / FBS 3-4 / 3030129
	Plug-in bridge / FBS 4-4 / 3030132
	Plug-in bridge / FBS 5-4 / 3030145
	Plug-in bridge / FBS 10-4 / 3030158
Bridge data	Plug-in bridge / FBS 20-4 / 3030352
	16.5 A (1.5 mm ²)
	40 K (19.4 A / 1.5 mm ²)
	440 V
	440 V
	352 V
	352 V
- At bridging between non-adjacent terminal blocks	352 V
	352 V
	352 V
- At cut-to-length bridging with cover	220 V
- At cut-to-length bridging with partition plate	275 V
Rated insulation voltage	400 V
output	(Permanent)

Ex level General

Rated current	17.5 A
Maximum load current	17.5 A
Contact resistance	1.43 mΩ

Ex connection data General

Nominal cross section	1.5 mm ²
Rated cross section AWG	16
Connection capacity rigid	0.08 mm ² ... 1.5 mm ²
Connection capacity AWG	28 ... 16
Connection capacity flexible	0.08 mm ² ... 1.5 mm ²
Connection capacity AWG	28 ... 16

Dimensions

Width	4.2 mm
End cover width	2.2 mm
Height	48.5 mm
Depth on NS 35/7,5	36.5 mm
Depth on NS 35/15	44 mm

Material specifications

Color	red (RAL 3001)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

ST 1,5 RD - Feed-through terminal block



3037038

<https://www.phoenixcontact.com/sg/products/3037038>

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

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

Mounting

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

ST 1,5 RD - Feed-through terminal block



3037038

<https://www.phoenixcontact.com/sg/products/3037038>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3037038>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	15 A	26 - 14	-
Use group C	300 V	15 A	26 - 14	-

 IECEE CB Scheme Approval ID: DE1-63027_A1				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	500 V	17.5 A	-	0.2 - 1.5

 EAC Approval ID: EAC-Zulassung				
--	--	--	--	--

 KR Approval ID: HMB17372-EL002				
--	--	--	--	--

 NK Approval ID: 09 ME 140				
---	--	--	--	--

 VDE approval of drawings Approval ID: 40009031				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	500 V	17.5 A	-	0.2 - 1.5

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	15 A	26 - 14	-
Use group C	300 V	15 A	26 - 14	-
Use group D	600 V	5 A	26 - 14	-

ST 1,5 RD - Feed-through terminal block

3037038

<https://www.phoenixcontact.com/sg/products/3037038>



DNV

Approval ID: TAE00001CS



ATEX

Approval ID: KEMA01ATEX2129U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Type examination certificate	440 V	17.5 A	-	0.08 - 1.5



EAC Ex

Approval ID: KZ 7500525010101950



IECEx

Approval ID: IECEx KEM 06.0043U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	440 V	17.5 A	-	0.08 - 1.5



CCC

Approval ID: 2020322313000621



UKCA-EX

Approval ID: DEKRA 21UKEX0302U

ST 1,5 RD - Feed-through terminal block



3037038

<https://www.phoenixcontact.com/sg/products/3037038>

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

ETIM

ETIM 9.0	EC000897
----------	----------

UNSPSC

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

ST 1,5 RD - Feed-through terminal block



3037038

<https://www.phoenixcontact.com/sg/products/3037038>

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 SEA Pte. Ltd.
105 Eunos Avenue 3, #04-00
Singapore 409836
+65 6228 4900
marketing@phoenixcontact.com.sg