

Feed-through terminal block - STS 2,5-QUATTRO OG



3037575

<https://www.phoenixcontact.com/de/produkte/3037575>

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, 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: orange

Your advantages

- Ground terminal blocks of the same shape are available

Commercial Data

Item number	3037575
Packing unit	50 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	A1 - Reihenklennen
Product Key	BE2113
Catalog Page	Page 276 (C-3-2013)
GTIN	4017918812454
Weight per Piece (including packing)	8,55 g
Weight per Piece (excluding packing)	8,534 g
Customs tariff number	85369010
Country of origin	DE

Technical Data

Product properties

Product type	Multi-conductor terminal block
Number of connections	4
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Number of connections per level	4
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 solid	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)
Flexible conductor cross section flexible (ferrule, w/o 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 (with 4 mm ² conductor cross section)
Maximum load current	28 A (in case of a 4 mm ² conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors.)
Nominal voltage	800 V
Nominal cross section	2.5 mm ²

Ex data

Rated data (ATEX/IECEX)

ATEX certificate	PTB 07 ATEX 1027 U
IEC Ex certificate	IECEX PTB 07.0024 U
Identification	□ II 2 G Ex eb IIC Gb

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Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3031762 D-ST5 2,5
	1204517 SZF 1-0,6X3,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
Ex temperature increase	40 K (25 A / 4 mm ²)
Rated voltage	550 V
Rated insulation voltage	500 V
output	(Permanent)

Ex level General

Rated current	20.5 A
Maximum load current	25 A
Contact resistance	1.25 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 NS 35/15	50.5 mm
Height NS 35/7,5	43 mm
Length	50.8 mm

Material specifications

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

Mechanical properties

Mechanical data

Open side panel	Yes
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
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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
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Mounting

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

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Drawings

Circuit diagram




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Approvals


 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	-

CCA Approval ID: CH-02-IK-0258.I				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	- 1.5

 RS Approval ID: 22.44.01.00083.250				
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 cULus Recognized Approval ID: E60425				
	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	-

DNV Approval ID: TAE00001CS				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

 EAC Ex Approval ID: RU C-DE.HA91.B.00066				
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 IECEx Approval ID: IECExPTB07.0024U				
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 ATEX Approval ID: PTB07ATEX1027U				
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CCC

Approval ID: 2020322313000621



NEPSI

Approval ID: GYJ20.1193U



UKCA-EX

Approval ID: CSAE 22UKEX1141U

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Classifications

ECLASS

ECLASS-9.0	27141120
ECLASS-10.0.1	27141120
ECLASS-11.0	27141120

ETIM

ETIM 8.0	EC000897
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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