

STS 4-TWIN OG - Feed-through terminal block



3037533

<https://www.phoenixcontact.com/us/products/3037533>

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 3, connection method: Spring-cage connection, 1 level, Rated cross section: 4 mm², cross section: 0.08 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: orange

Your advantages

- Cross connection to adjacent feed-through terminal blocks with the consistent FBS ... plug-in bridge system
- Same shape and pitch as the feed-through terminal blocks

Commercial data

Item number	3037533
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE02
Product key	BE2112
Catalog page	Page 273 (C-3-2013)
GTIN	4017918812423
Weight per piece (including packing)	12.21 g
Weight per piece (excluding packing)	10.914 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Product properties

Product type	Multi-conductor terminal block
Number of connections	3
Number of rows	1
Potentials	1

Data management status

Article revision	08
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Insulation characteristics

Overvoltage category	III
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Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Number of connections per level	3
Nominal cross section	4 mm ²

1 level

Stripping length	10 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.08 mm ² ... 6 mm ²
Cross section AWG	28 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	28 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 4 mm ²
Nominal current	32 A (with 6 mm ² conductor cross section)
Maximum load current	38 A (In the case of a 6 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	4 mm ²

Ex data

Rated data (ATEX/IECEx)

Identification	Ex II 2 G Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3031704 D-ST5 4 3024481 ATP-ST 6

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List of bridges	1204517 SZF 1-0,6X3,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
	Plug-in bridge / FBS 2-6 / 3030336
	Plug-in bridge / FBS 3-6 / 3030242
	Plug-in bridge / FBS 4-6 / 3030255
	Plug-in bridge / FBS 5-6 / 3030349
	Plug-in bridge / FBS 10-6 / 3030271
	Plug-in bridge / FBS 20-6 / 3030365
Bridge data	27 A / 4 mm ²
	40 K (30 A / 4 mm ²)
	550 V
	550 V
	352 V
	352 V
	352 V
	550 V
	500 V
output	(Permanent)

Ex level General

Rated current	30 A
Maximum load current	33 A
Contact resistance	0.75 mΩ

Ex connection data General

Nominal cross section	4 mm ²
Rated cross section AWG	12
Connection capacity rigid	0.08 mm ² ... 6 mm ²
Connection capacity AWG	28 ... 10
Connection capacity flexible	0.08 mm ² ... 4 mm ²
Connection capacity AWG	28 ... 12

Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height	64.5 mm
Depth on NS 35/7,5	43 mm
Depth on NS 35/15	50.5 mm

Material specifications

Color	orange (RAL 2003)
Flammability rating according to UL 94	V0
Insulating material group	I

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Insulating material	PA
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Mechanical properties

Mechanical data

Open side panel	Yes
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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, no longer than 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
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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

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3037533>

CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	600 V	30 A	28 - 10	-
Use group C	600 V	30 A	28 - 10	-

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

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	30 A	28 - 10	-
Use group C	600 V	30 A	28 - 10	-

DNV Approval ID: TAE00001CS				
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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				
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UKCA-EX

Approval ID: CSAE 22UKEX1141U

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Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

ETIM

ETIM 9.0	EC000897
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UNSPSC

UNSPSC 21.0	39121400
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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%

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