

https://www.phoenixcontact.com/sg/products/3037384

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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 mm^2 , cross section: 0.08 mm^2 - 6 mm^2 , mounting type: NS 35/7,5, NS 35/15, color: green

Your advantages

- The consistent double function shaft offers every opportunity for time-saving potential distribution and accommodating test accessories
- · User-friendly implementation of all potential branching tasks
- · Space-saving and practical multi-conductor connection without additional bridges

Commercial data

Item number	3037384
Packing unit	50 pc
Minimum order quantity	50 рс
Note	Made to order (non-returnable)
Sales key	0163*
Product key	BE2112
GTIN	4017918599782
Weight per piece (including packing)	11.72 g
Weight per piece (excluding packing)	10.924 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

roduct properties	
Product type	Multi-conductor terminal block
Number of connections	3
Number of rows	1
Potentials	1
Insulation characteristics	
Overvoltage category	III
Degree of pollution	3
lectrical properties	
Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.02 W
onnection data	
Number of connections per level	3
Nominal cross section	4 mm ²
1 level	
Stripping length	8 mm 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 mm² 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 1 mm²
Nominal current	32 A (with 6 mm ² conductor cross section)
Maximum load current	40 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	II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C 85 °C
Ex-certified accessories	3030491 D-ST 4-TWIN
	3030789 ATP-ST-TWIN

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	3036615 DS-ST 4
	1204517 SZF 1-0,6X3,5
	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
List of bridges	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	28 A (4 mm²)
Ex temperature increase	40 K (33 A / 4 mm²)
Rated voltage	550 V
for bridging with bridge	550 V
- At bridging between non-adjacent terminal blocks	352 V
 At bridging between non-adjacent terminal blocks via PE terminal block 	352 V
- At cut-to-length bridging with cover	220 V
- At cut-to-length bridging with partition plate	275 V
Rated insulation voltage	500 V
output	(Permanent)
Ex level General	
Rated current	30 A
Maximum load current	34.5 A
Contact resistance	0.69 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
nensions	
Width	6.2 mm
End cover width	2.2 mm
aterial specifications	
Color	green (RAL 6021)
Flammability rating according to UL 94	VO

Insulating material group	1
Insulating material	PA
Static insulating material application in cold	-60 °C

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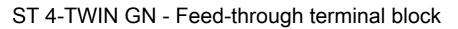
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (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

Mechanical properties

Mechanical data
Open side panel Yes

Environmental and real-life conditions

Specification	DIN EN 50155 (VDE 0115-200):2018-05
Spectrum	Long life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s²)²/Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed
locks	
Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed
nbient conditions	
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 %
dards and regulations	
Connection in acc. with standard	IEC 60947-7-1
Inting	

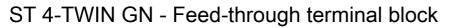


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NS 35/15



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Drawings

Circuit diagram



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Classifications

ECLASS

	ECLASS-11.0	27141120
	ECLASS-13.0	27250101
ETIM		
	ETIM 8.0	EC000897
UN	ISPSC	
	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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PHOENIX CONTACT SEA Pte. Ltd. 105 Eunos Avenue 3, #04-00 Singapore 409836 +65 6228 4900 marketing@phoenixcontact.com.sg

