

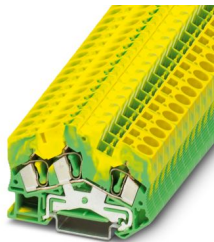
STS 6-TWIN-PE - Ground terminal



3038176

<https://www.phoenixcontact.com/pc/products/3038176>

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.



Ground terminal, number of connections: 3, connection method: Spring-cage connection, 1 level, cross section: 0.2 mm² - 10 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947-7-2 are met

Commercial data

Item number	3038176
Packing unit	50 pc
Minimum order quantity	1 pc
Product key	BE2122
Catalog page	Page 239 (C-1-2019)
GTIN	4017918928995
Weight per piece (including packing)	30.014 g
Weight per piece (excluding packing)	28.115 g
Customs tariff number	85369010
Country of origin	PL

STS 6-TWIN-PE - Ground terminal



3038176

<https://www.phoenixcontact.com/pc/products/3038176>

Technical data

Product properties

Product type	Ground terminal block
Number of connections	3
Number of rows	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Grounding foot	Yes
Number of connections per level	3
Nominal cross section	6 mm ²

1 level

Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	12 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	0.2 mm ² ... 10 mm ²
Cross section AWG	24 ... 8 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	24 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 6 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 6 mm ²

Dimensions

Width	8.2 mm
End cover width	2.2 mm
Height	70 mm
Depth on NS 35/7,5	50 mm
Depth on NS 35/15	57.5 mm

Material specifications

Color	green-yellow
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C

STS 6-TWIN-PE - Ground terminal



3038176

<https://www.phoenixcontact.com/pc/products/3038176>

Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
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

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s ²)/Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

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

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 %

STS 6-TWIN-PE - Ground terminal



3038176

<https://www.phoenixcontact.com/pc/products/3038176>

Standards and regulations

Connection in acc. with standard	IEC 60947-7-2
----------------------------------	---------------

Mounting

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

STS 6-TWIN-PE - Ground terminal

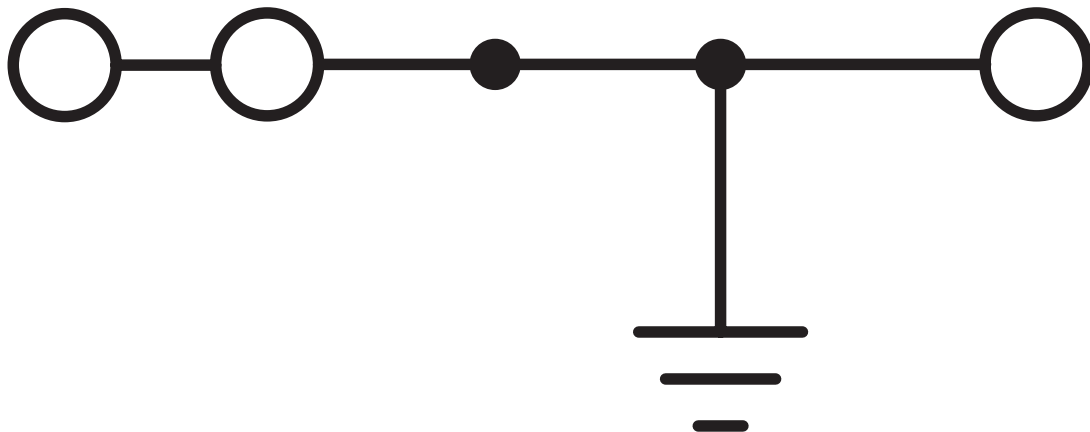
3038176

<https://www.phoenixcontact.com/pc/products/3038176>



Drawings

Circuit diagram



STS 6-TWIN-PE - Ground terminal



3038176

<https://www.phoenixcontact.com/pc/products/3038176>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/3038176>

CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	-	-	24 - 8	-
Use group C	-	-	24 - 8	-
Use group D	-	-	24 - 8	-

IECEE CB Scheme Approval ID: DE1-63046				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	-	-	-	0.2 - 6

EAC Approval ID: RU C-DE.A*30.B.01742				
---	--	--	--	--

LR Approval ID: LR21234196TA				
--	--	--	--	--

ClassNK Approval ID: 06ME279				
--	--	--	--	--

EAC Approval ID: RU C-DE.BL08.B.00644				
---	--	--	--	--

VDE Zeichengenehmigung Approval ID: 40038075				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	-	-	-	0.2 - 6

ABS Approval ID: 21-2158220-PDA				
---	--	--	--	--

STS 6-TWIN-PE - Ground terminal

3038176

<https://www.phoenixcontact.com/pc/products/3038176>



 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	-	-	24 - 8	-
Use group C				
	-	-	24 - 8	-

DNV Approval ID: TAE00001CS				
---	--	--	--	--

STS 6-TWIN-PE - Ground terminal



3038176

<https://www.phoenixcontact.com/pc/products/3038176>

Classifications

ECLASS

ECLASS-11.0	27141141
ECLASS-13.0	27250103

ETIM

ETIM 9.0	EC000901
----------	----------

UNSPSC

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

STS 6-TWIN-PE - Ground terminal



3038176

<https://www.phoenixcontact.com/pc/products/3038176>

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 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com