

# ST 16 OG - Feed-through terminal block



3036150

<https://www.phoenixcontact.com/sg/products/3036150>

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: 1000 V, nominal current: 76 A, number of connections: 2, connection method: Spring-cage connection, Rated cross section: 16 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 25 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: orange

## Your advantages

- The flexible options for reducing bridging in the CLIPLINE complete system can be found in "Accessories for the CLIPLINE complete modular terminal block system"
- The double bridge shaft not only enables individual chain bridging, but also reducing bridging to spring-cage terminal blocks with smaller cross sections

## Commercial data

Item number	3036150
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	*****
Product key	BE2111
GTIN	4055626318585
Weight per piece (including packing)	36.726 g
Weight per piece (excluding packing)	36.726 g
Customs tariff number	85369010
Country of origin	PL

# ST 16 OG - Feed-through terminal block



3036150

<https://www.phoenixcontact.com/sg/products/3036150>

## 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	8 kV
Maximum power dissipation for nominal condition	2.43 W

### Connection data

Number of connections per level	2
Nominal cross section	16 mm <sup>2</sup>
Stripping length	18 mm
Internal cylindrical gage	A7 B6
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Cross section AWG	24 ... 4 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	24 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> ... 16 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Nominal current	76 A
Maximum load current	90 A (with 25 mm <sup>2</sup> conductor cross section)
Nominal voltage	1000 V
Nominal cross section	16 mm <sup>2</sup>

### Ex data

#### Rated data (ATEX/IECEx)

Identification	⊕ II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 85 °C
Ex-certified accessories	3036657 D-ST 16 1206612 SZF 3-1,0X5,5 3022276 CLIPFIX 35-5 3022218 CLIPFIX 35

# ST 16 OG - Feed-through terminal block



3036150

<https://www.phoenixcontact.com/sg/products/3036150>

List of bridges	Plug-in bridge / FBS 2-12 / 3005950
Bridge data	60 A (16 mm <sup>2</sup> )
Ex temperature increase	40 K (71.3 A / 16 mm <sup>2</sup> )
Rated voltage	550 V
for bridging with bridge	550 V
Rated insulation voltage	500 V
output	(Permanent)

## Ex level General

Rated current	64.5 A
Maximum load current	81.5 A
Contact resistance	0.34 mΩ

## Ex connection data General

Nominal cross section	16 mm <sup>2</sup>
Rated cross section AWG	6
Connection capacity rigid	1.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Connection capacity AWG	16 ... 4
Connection capacity flexible	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Connection capacity AWG	16 ... 6

## Dimensions

Width	12.2 mm
End cover width	2.2 mm

## Material specifications

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

## Mechanical properties

### Mechanical data

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

## Environmental and real-life conditions

### Ambient 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 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
----------------------------------	---------------

# ST 16 OG - Feed-through terminal block



3036150

<https://www.phoenixcontact.com/sg/products/3036150>

## Mounting

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

# ST 16 OG - Feed-through terminal block

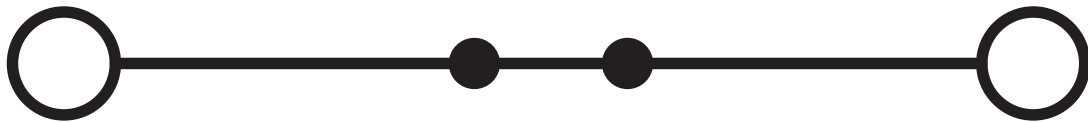
3036150

<https://www.phoenixcontact.com/sg/products/3036150>



## Drawings

Circuit diagram



# ST 16 OG - Feed-through terminal block



3036150

<https://www.phoenixcontact.com/sg/products/3036150>

## Classifications

### ECLASS

ECLASS-11.0

27141120

### ETIM

ETIM 8.0

EC000897

### UNSPSC

UNSPSC 21.0

39121400

# ST 16 OG - Feed-through terminal block



3036150

<https://www.phoenixcontact.com/sg/products/3036150>

## 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](mailto:marketing@phoenixcontact.com.sg)