

## Transformer terminal block - TRKS 10 GY - 2703525

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Transformer terminal block, Connection method: Screw connection, Length: 41 mm, Width: 10.2 mm, Height: 41.3 mm, Color: gray

The illustration shows version TRKS 10 in orange



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 061128
Weight per Piece (excluding packing)	22.02 GRM
Custom tariff number	85369010
Country of origin	Greece

### Technical data

#### General

Note	For transformers on ships, saltwater-proof DIN rails must be used according to the regulations of Germanic Lloyd. This requirement is fulfilled by all rail designs.
	When selecting the type of connection on safety transformers in acc. with IEC 742/EN 60742/DIN VDE 0551-1, please observe: - When safety transformers are used as self-contained devices, only screw connections are permitted for the external connections. - When installing safety transformers, the specifications of the respective devices must be observed.
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V2
Rated surge voltage	8 kV

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## Technical data

### General

Rated insulation voltage	690 V
Pollution degree	3
Surge voltage category	III
Connection in acc. with standard	IEC / EN
Nominal current $I_N$	40 A
Nominal voltage $U_N$	(voltage data only possible in conjunction with transformer)
Number of positions	1
Back of the hand protection	guaranteed
Finger protection	guaranteed
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.5 mm <sup>2</sup> / 0.3 kg
	10 mm <sup>2</sup> / 2 kg
	16 mm <sup>2</sup> / 2.9 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.5 mm <sup>2</sup>
Tractive force setpoint	30 N
Conductor cross section tensile test	10 mm <sup>2</sup>
Tractive force setpoint	90 N
Conductor cross section tensile test	16 mm <sup>2</sup>
Tractive force setpoint	100 N
Tensile test result	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	10 mm <sup>2</sup>
Short-time current	1.2 kA
Conductor cross section short circuit testing	16 mm <sup>2</sup>
Short-time current	1.92 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s

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## Technical data

### General

Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	0.02 g <sup>2</sup> /Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	115 °C

### Dimensions

Width	10.2 mm
Length	41 mm
Height	41.3 mm

### Connection data

Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	16 mm <sup>2</sup>
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	10 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	6
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	6 mm <sup>2</sup>

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## Technical data

### Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm²
Connection method	Screw connection
Stripping length	14 mm
Internal cylindrical gage	B 6
Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

## Classifications

### eCl@ss

eCl@ss 4.0	27141110
eCl@ss 4.1	27141110
eCl@ss 5.0	27141110
eCl@ss 5.1	27141110
eCl@ss 6.0	27141110
eCl@ss 7.0	27141110
eCl@ss 8.0	27141190

### ETIM

ETIM 2.0	EC001283
ETIM 3.0	EC001283
ETIM 4.0	EC000398
ETIM 5.0	EC000398

### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

## Transformer terminal block - TRKS 10 GY - 2703525

### Approvals

#### Approvals


#### Approvals


CSA / UL Recognized / GOST / LR / RS / GOST


#### Ex Approvals

#### Approvals submitted

#### Approval details

CSA 		
	B	C
mm <sup>2</sup> /AWG/kcmil	20-6	20-6
Nominal current I <sub>N</sub>	65 A	65 A
Nominal voltage U <sub>N</sub>	600 V	600 V

UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	24-6
Nominal current I <sub>N</sub>	65 A
Nominal voltage U <sub>N</sub>	300 V

GOST 
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LR
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RS
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## Transformer terminal block - TRKS 10 GY - 2703525

### Approvals



### Accessories

Accessories

Partition plate

Partition plate - ATP-TRKS - 3000308



Partition plate, Width: 2.2 mm, Color: gray

### Drawings

Dimensioned drawing

