

Transformer terminal block - TRKS 4 GY - 2702254

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Transformer terminal block, connection method: Screw connection, length: 32 mm, width: 7.5 mm, height: 19.2 mm, color: gray, mounting type: DIN rail, Coil snap-in device

The figure shows versions TRKS 4 and TRKSD 4 in orange

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
GTIN	
GTIN	4017918060657
Weight per Piece (excluding packing)	3.968 g
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

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Technical data

General

Insulating material	PA
Flammability rating according to UL 94	V2
Rated surge voltage	8 kV
Rated insulation voltage	690 V
Degree of pollution	3
Overvoltage category	III
Connection in acc. with standard	IEC/EN
Nominal current I_N	30 A
Nominal voltage U_N	voltage data only possible in conjunction with transformer
Number of positions	1
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Finger protection	guaranteed
Result of surge voltage test	Test passed
Surge voltage test setpoint	9.8 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of bending test	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.2 mm ² / 0.2 kg
	4 mm ² / 0.9 kg
	6 mm ² / 1.4 kg
Tensile test result	Test passed
Conductor cross section tensile test	0.2 mm ²
Tractive force setpoint	10 N
Conductor cross section tensile test	4 mm ²
Tractive force setpoint	60 N
Conductor cross section tensile test	6 mm ²
Tractive force setpoint	80 N
Result of voltage-drop test	Test passed
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	4 mm ²
Short-time current	0.48 kA
Result of thermal test	Test passed

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General

Proof of thermal characteristics (needle flame) effective duration	30 s
Oscillation, broadband noise test result	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^2/Hz
Acceleration	0,8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock 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.)
Relative insulation material temperature index (Elec., UL 746 B)	125 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	115 °C

Dimensions

Width	7.5 mm
Length	32 mm
Height	19.2 mm

Connection data

Conductor cross section solid min.	0.2 mm^2
Conductor cross section solid max.	6 mm^2
Conductor cross section flexible min.	0.2 mm^2
Conductor cross section flexible max.	4 mm^2
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm^2
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm^2
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm^2
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm^2
2 conductors with same cross section, solid min.	0.2 mm^2
2 conductors with same cross section, solid max.	1.5 mm^2
2 conductors with same cross section, stranded min.	0.2 mm^2

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Connection data

2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm ²
Connection method	Screw connection
Stripping length	8 mm
Internal cylindrical gage	A4
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

Standards and Regulations

Connection in acc. with standard	CSA
	IEC/EN
Flammability rating according to UL 94	V2
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.

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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	27141110
eCl@ss 9.0	27141110

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Classifications

ETIM

ETIM 2.0	EC001283
ETIM 3.0	EC001283
ETIM 4.0	EC000398
ETIM 5.0	EC000398
ETIM 6.0	EC000398

UNSPSC

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

Approvals


Approvals

Approvals

CSA / UL Recognized / cUL Recognized / RS / EAC / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	C	
mm ² /AWG/kcmil	24-10	24-10	
Nominal current I _N	27 A	27 A	
Nominal voltage U _N	600 V	600 V	

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Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm ² /AWG/kcmil	30-10	30-10	
Nominal current IN	30 A	30 A	
Nominal voltage UN	600 V	600 V	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm ² /AWG/kcmil	30-10	30-10	
Nominal current IN	30 A	30 A	
Nominal voltage UN	600 V	600 V	

RS		http://www.rs-head.spb.ru/en/index.php	10.04059.250
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EAC		EAC-Zulassung
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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Accessories

Accessories

Partition plate

Partition plate - ATP-TRKS - 3000308



Partition plate, width: 2.2 mm, color: gray

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Accessories

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