

ZTRK 4 OG - Transformer terminal block

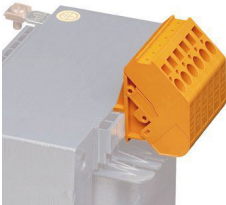


3029305

<https://www.phoenixcontact.com/us/products/3029305>

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Spring-cage transformer terminal block, with solder connection, color: orange



Commercial data

Item number	3029305
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	AA18
Product key	AARABE
GTIN	4017918193263
Weight per piece (including packing)	5.52 g
Weight per piece (excluding packing)	5.468 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

Product properties

Product type	Distributor terminal block
Number of positions	4
Number of connections	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

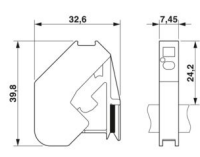
Electrical properties

Maximum load current	32 A (with 4 mm ² conductor cross-section)
Rated surge voltage	6 kV

Connection data

Maximum load current	32 A (with 4 mm ² conductor cross-section)
Connection method	Spring-cage connection
Stripping length	12 mm 12 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC / EN
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Cross section AWG	24 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm ² ... 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²
Nominal current	32 A
Maximum load current	32 A
Nominal voltage	600 V

Dimensions

Dimensional drawing	
Width	7.5 mm
Height	39.8 mm
Length	32.6 mm

Material specifications

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Color (Housing)	orange (RAL 2003)
Flammability rating according to UL 94	V0
Insulating material group	III
Insulating material	PA
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	120 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C

Electrical tests

Surge voltage test

Test voltage setpoint	6 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 4 mm ²	0.48 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical tests

Mechanical strength

Result	Test passed
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Attachment on the carrier

DIN rail/fixing support	TRS-AL 2/10 resp. TRS-AL 2/35
Test force setpoint	1 N
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross-section/weight	0.2 mm ² / 0.2 kg
	4 mm ² / 0.9 kg
Result	Test passed

Environmental and real-life conditions

Aging

Temperature cycles	192
Result	Test passed

Needle-flame test

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Time of exposure	30 s
Result	Test passed

Standards and regulations

Connection in acc. with standard	IEC / EN
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Packaging specifications

Type of packaging	packed in cardboard
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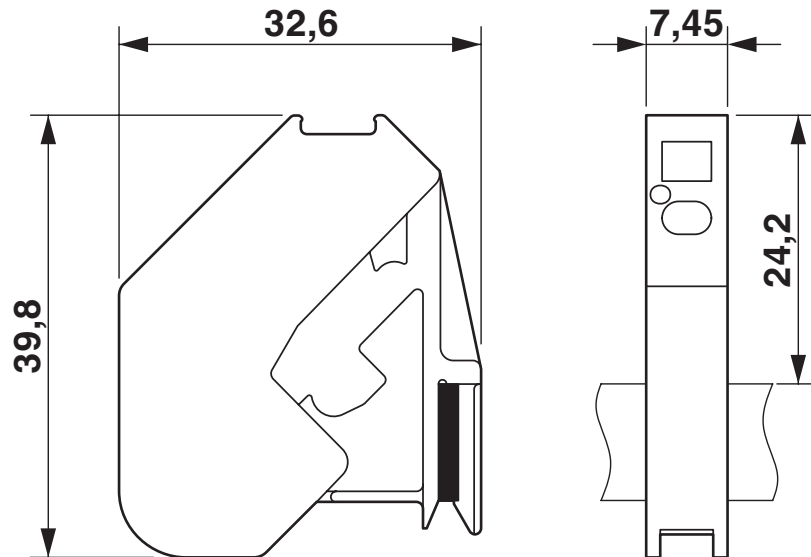
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Drawings

Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3029305>

 cUL Recognized Approval ID: FILE E 60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	30 A	24 - 10	-

 UL Recognized Approval ID: FILE E 60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	30 A	24 - 10	-

 VDE approval of drawings Approval ID: 40018706				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	750 V	32 A	-	0.5 - 4

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Classifications

ECLASS

ECLASS-13.0	27141110
ECLASS-15.0	27141110

UNSPSC

UNSPSC 21.0	39121410
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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