

Feed-through terminal block - PT 1,5/S GN - 3208129

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Feed-through terminal block, Connection method: Push-in connection, Number of connections: 2, Cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, Width: 3.5 mm, Height: 30.5 mm, Color: green, Mounting type: NS 35/7,5, NS 35/15


The figure shows a version of the article

Why buy this product

- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- The compact design and front connection enable wiring in a confined space
- In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection



Key Commercial Data

Packing unit	50 STK
GTIN	 4 046356 870047
GTIN	4046356870047

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	1.5 mm ²
Color	green
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I

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Technical data

General

Maximum power dissipation for nominal condition	0.56 W
Maximum load current	17.5 A
Nominal current I_N	17.5 A
Nominal voltage U_N	500 V
Open side panel	Yes
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Result of surge voltage test	Test passed
Surge voltage test setpoint	7.3 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	0.14 mm ² / 0.2 kg
	1.5 mm ² / 0.4 kg
Tensile test result	Test passed
Conductor cross section tensile test	0.14 mm ²
Tractive force setpoint	10 N
Conductor cross section tensile test	1.5 mm ²
Tractive force setpoint	40 N
Result of tight fit on support	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Result of voltage-drop test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	1.5 mm ²
Short-time current	0.18 kA
Result of aging test	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of thermal test	Test passed
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 2, bogie mounted
Test frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$

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General

ASD level	6.12 (m/s ²) ² /Hz
Acceleration	3.12 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	30g
Shock duration	18 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)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Dimensions

Width	3.5 mm
End cover width	2.2 mm
Length	45 mm
Height	30.5 mm
Height NS 35/7,5	32 mm
Height NS 35/15	39.5 mm

Connection data

Connection method	Push-in connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²

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Technical data

Connection data

Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 mm ²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	14
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1 mm ²
Stripping length	8 mm
Internal cylindrical gage	A1 / B1

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Circuit diagram



Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / VDE Zeichengenehmigung / IECCE CB Scheme / EAC / BV / NK / ABS / ABS / GL / cULus Recognized

Ex Approvals

IECEX / ATEX / EAC Ex

Approval details

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Approvals

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
	B	C	D
mm ² /AWG/kcmil	26-14	26-14	26-14
Nominal current IN	15 A	15 A	5 A
Nominal voltage UN	300 V	300 V	600 V

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	D
mm ² /AWG/kcmil	26-14	26-14	26-14
Nominal current IN	15 A	15 A	5 A
Nominal voltage UN	300 V	300 V	600 V

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	D
mm ² /AWG/kcmil	26-14	26-14	26-14
Nominal current IN	15 A	15 A	5 A
Nominal voltage UN	300 V	300 V	600 V

VDE Zeichengenehmigung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40039739
mm ² /AWG/kcmil		0.14-1.5	
Nominal current IN		17.5 A	
Nominal voltage UN		500 V	

IECEE CB Scheme		http://www.iecee.org/	DE1-53792
mm ² /AWG/kcmil		0.14-1.5	
Nominal voltage UN		500 V	

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Approvals

EAC			EAC-Zulassung
BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	39980/A0 BV
NK		http://www.classnk.or.jp/hp/en/	14ME0912
ABS		http://www.eagle.org/eagleExternalPortalWEB/	15-GD1355195-PDA
ABS		http://www.eagle.org/eagleExternalPortalWEB/	16-HG1591536-PDA
GL		http://exchange.dnv.com/tari/	2040111 HH
cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	

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