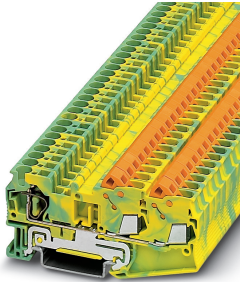


Ground modular terminal block - QTCS 2,5-TWIN-PE - 3050358

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Ground modular terminal block, connection method: Quick connection, Spring-cage connection, cross section: 0.5 mm² - 2.5 mm², AWG: 20 - 14, width: 6.2 mm, color: green-yellow, mounting: NS 35/7,5, NS 35/15

Your advantages

- ✓ Same shape and pitch as the feed-through terminal blocks
- ✓ Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- ✓ All the requirements of standard IEC 60947-7-2 are met



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 056199
GTIN	4046356056199
Weight per Piece (excluding packing)	16.200 g
Custom tariff number	85369010
Country of origin	China

Technical data

General

Number of levels	1
Number of connections	3
Nominal cross section	2.5 mm ²
Color	green-yellow
Insulating material	PA

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Technical data

General

Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Connection method	Quick connection
Connection in acc. with standard	IEC 60947-7-2
Connection method	Spring-cage connection
Connection in acc. with standard	IEC 60947-7-2
Open side panel	Yes
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
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	6.2 mm
Length	79.6 mm
Height NS 35/7,5	39.3 mm
Height NS 35/15	46.8 mm
End cover width	2.2 mm

Connection data

Connection method	Quick connection
Connection in acc. with standard	IEC 60947-7-2
Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	10 mm
Max. wire diameter incl. insulation	3.8 mm
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	20

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Technical data

Connection data

Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	2.5 mm ²
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	14
Connection in acc. with standard	IEC/EN 60079-7
Test certificate name	KEMA 05ATEX2148 U
Conductor cross section AWG min.	20
Conductor cross section AWG max.	14
Material wire insulation	PVC / PE

Ambient conditions

Operating temperature	-60 °C ... 105 °C (max. short-term operating temperature 130°C)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C

Standards and Regulations

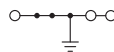
Connection in acc. with standard	CUL
	IEC 60947-7-2
	IEC/EN 60079-7
	IEC 60947-7-2
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27141141
eCl@ss 11.0	27141141

Ground modular terminal block - QTCS 2,5-TWIN-PE - 3050358

Classifications

eCl@ss

eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141141
eCl@ss 9.0	27141141

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000901
ETIM 6.0	EC000901
ETIM 7.0	EC000901

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

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BV / LR / NK / ABS / UL Recognized / cUL Recognized / DNV GL / cULus Recognized

Ex Approvals

IECEX / EAC Ex / NEPSI / ATEX

Approval details

Ground modular terminal block - QTCS 2,5-TWIN-PE - 3050358


Approvals


BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	20148/C0 BV
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LR		http://www.lr.org/en	2002130TA-02
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NK		http://www.classnk.or.jp/hp/en/	09 ME 139
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ABS		http://www.eagle.org/eagleExternalPortalWEB/	16-HG1589079-PDA
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
		B	C
mm ² /AWG/kcmil		20-14	20-14

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
		B	C
mm ² /AWG/kcmil		20-14	20-14

DNV GL		https://approvalfinder.dnvgl.com/	TAE000014H
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cULus Recognized			
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