

Ground modular terminal block - USLKG 35-1 - 0449014

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Ground modular terminal block, Connection method: Screw connection, Number of positions: 1, Cross section: 0.75 mm² - 50 mm², AWG: 18 - 1/0, Width: 15.2 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15, NS 32



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 002350
GTIN	4017918002350
Weight per Piece (excluding packing)	89.120 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

General

Note	Use an NS 35/15-2.3 copper DIN rail for connection cross sections ≥ 35 mm²/2 AWG. When aligning with a feed-through terminal block of the same shape, a cover must be used for insulation voltages > 690 V.
Number of positions	1
Number of levels	1
Number of connections	2
Potentials	1
Color	green-yellow
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV

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Technical data

General

Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Open side panel	No
Terminal block mounting	2.5 Nm ... 3 Nm (PE foot with mounting screw, M5)
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °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)	27,5 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	15.2 mm
Length	50 mm
Height NS 35/7,5	62 mm
Height NS 35/15	69.5 mm
Height NS 32	67 mm

Connection data

Note	Please observe the current carrying capacity of the DIN rails.
Connection method	Screw connection
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section solid min.	0.75 mm ²
Conductor cross section solid max.	50 mm ²
Conductor cross section AWG min.	18
Conductor cross section AWG max.	1/0
Conductor cross section flexible min.	0.75 mm ²

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Connection data

Conductor cross section flexible max.	35 mm ²
Min. AWG conductor cross section, flexible	18
Max. AWG conductor cross section, flexible	2
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.75 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	35 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.75 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	35 mm ²
2 conductors with same cross section, solid min.	0.75 mm ²
2 conductors with same cross section, solid max.	16 mm ²
2 conductors with same cross section, stranded min.	0.75 mm ²
2 conductors with same cross section, stranded max.	10 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.75 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.75 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm ²
Connection in acc. with standard	IEC/EN 60079-7
Conductor cross section solid min.	0.75 mm ²
Conductor cross section solid max.	50 mm ²
Conductor cross section AWG min.	18
Conductor cross section AWG max.	1/0
Conductor cross section flexible min.	0.75 mm ²
Conductor cross section flexible max.	35 mm ²
Stripping length	15 mm
Screw thread	M6
Tightening torque, min	3.2 Nm
Tightening torque max	3.7 Nm

Standards and Regulations

Connection in acc. with standard	CSA
	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

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Approvals

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

Ex Approvals

IECEEx / ATEX / EAC Ex

Approval details

CSA  http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ 13631	
mm²/AWG/kcmil	18-2

UL Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425	
mm²/AWG/kcmil	18-1/0

cUL Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425	
mm²/AWG/kcmil	18-1/0

EAC EAC-Zulassung

cULus Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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