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EARTH TERMINALS - ZSL 2.5-16MM²

Tension Spring Earth Terminals - ZSL, ZSLD

1713.2
ZSL 2,5/2A Ex GNYE



- Material polyamide 6.6
- Temperature resistance -40 °C...+120 °C
- Flammability class V0
- Double Deck Version

PRODUCT DESCRIPTION

The ZSL earth terminals (2.5–16 mm²) are rugged, single-level DIN-rail tension-spring terminals ideal for grounding connections. Crafted from flame-retardant PA6.6 (polyamide 6.6), they withstand temperatures from –40 °C to +120 °C and meet UL94 V-0 standards for flammability. Each terminal supports standard wire sizes and is equipped with multiple approvals (UL, CSA, cUL, GL, KEMA, EAC), making them suitable for global installations. The units offer two test-pick-off options and are rated for pollution degree 3 with over-voltage category III, ensuring reliable performance in industrial control panels and switchgear systems. Their green/yellow coloration adheres to grounding safety standards, providing quick visual identification.
These terminals serve as a secure and space-efficient solution for grounding both single and stranded copper conductors, effectively maintaining earth continuity in electrical cabinets, machinery, and building automation systems. The tension-spring connection ensures consistent contact pressure without the need for screws, reducing installation time and ensuring low-maintenance reliability even under vibration. With compact dimensions (as slim as 5.1 mm) and a variety of connection counts and mounting heights (39–51 mm), the ZSL series facilitates dense terminal block layouts while preserving terminal space integrity. Ideal for protecting personnel and equipment, these terminals are a cornerstone component for glue-less, high-efficiency grounding infrastructure.

TECHNICAL DATA

GENERAL DATA

Rated wire cross section	2.5 mm²
Colour	Green/yellow
Mounting	TS 35
Overvoltage category	III
Contamination degree	3
Approvals	UL, CSA, GL, CSA US, cUL, KEMA KUR, EAC
Explosion proof	Yes

DIMENSIONS

Length	59 mm
Width	5.1 mm
Height TS 35/7.5	39 mm

CONNECTION DATA

Connections	2

Number of levels	1
Plug gauge acc. EN 60 947-1	A3
Cross connect channels	0
Number of test pick off options	2
Cross section single wire from	0.5 mm²
Cross section single wire to	4 mm²
Cross section stranded wire from	0.5 mm²
Cross section stranded wire to	4 mm²
Cross section stranded with ferrule from	0.5 mm²
Cross section stranded with ferrule to	2.5 mm²
Rated wire cross section from (AWG)	20
Rated wire cross section to (AWG)	12
Stripping length	10 mm

MATERIALS

Insulation material	Polyamide 6.6
Flammability class	UL94-V0
Operating temperature from	-40 °C
Operating temperature to	120 °C

APPROVALS

UL test standard	UL 1059
CSA test standard	C22.2 No 158
CSAus test standard	UL 1059
cUL test standard	C22.2 No 158
GL test standard	IEC 60947-7-2:2009
EAC test standard	TR ZU 004/2011
KEMA KEUR test standard	EN 60947-7-2:2009

ADDITIONAL DATA

Tariff code	85369010
Country of origin	DE
Weight	12 g
Pack size	100

