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MODULAR TERMINALS FOR 3-WIRE AND 4-WIRE DEVICES - ZIZA/ZMP

Modular Tension Spring Terminals - ZIZA, ZMP

3742.5
ZPL 1.5, Contact block - Blue

- Modular connector system for 3- and 4-wire actuators
- Material polyamide 6.6
- Temperature resistance -40°C...+120°C
- Fire-resistance class V0
- Ideal for Sensor Power and Signal Grouping

PRODUCT DESCRIPTION

The ZIZA/ZMP modular terminals are part of CONTA-CLIP's rugged DIN-rail terminal block portfolio, designed to handle both 3-wire and 4-wire actuator configurations. Constructed from high-performance polyamide 6.6, these terminals deliver excellent durability, operating reliably between –40 °C and +120 °C and meeting UL-94 V-0 flammability standards. They support a rated voltage of 400 V and a rated current of 17.5 A under IEC standards, with an impulse withstand voltage of 4 kV, pollution degree 3, and overvoltage category III, emphasising their suitability for industrial-grade control environments. Connection flexibility is also a highlight: they accommodate solid or stranded conductors from 0.5 mm² up to 2.5 mm² (AWG 26–14) with typical stripping lengths of 8 mm. Installation is tidy and efficient via TS 35 DIN-rail mounting, with compact dimensions (e.g., approx. 68.7 mm length and 5.1 mm width for a 3-wire base variant). The design also includes cross-connect channels and is backed by multiple approvals, UL, CSA, GL, cUL, KEMA/KUR, underscoring broad regulatory compatibility.

These modular terminal blocks shine in applications requiring modular, space-efficient wiring inside control cabinets, perfect for actuators, sensors, or small motors. The variety of configurations (e.g., 9-, 10-, 16-, 17-way blocks) often include optional LED status indicators for streamlined diagnostics. Earth- (PE) variants with green/yellow marking provide enhanced grounding integrity. Installation speed is improved via tension-spring connections, which provide secure contact without screws, perfect for faster assembly and maintenance. They also integrate well with accessories like test pick-off ports, pluggable cross-connect (ZQI), and vertical connectors (ZVQI) to simplify wiring logic and potential distribution, features confirmed in the broader CONTA-CONNECT tension-spring range. In practice, engineers can deploy these terminals across panel-based automation, HVAC control, building management systems, and industrial machinery control loops, where dense wiring, reliability, and clear status indication are essential.

TECHNICAL DATA

GENERAL DATA

Rated wire cross section	1.5 mm²
Colour	Blue
Rated voltage IEC	400 V
Rated current IEC	17.5 A
Mounting	Push in
Rated impulse voltage	4 kV
Overvoltage category	III
Contamination degree	3
Approvals	UL, CSA, GL, CSA US, cUL, KEMA KUR, EAC

DIMENSIONS

Length	12.9 mm
Width	8.7 mm
Height TS 35/7.5	17.5 mm

CONNECTION DATA

Connections	1
Plug gauge acc. EN 60 947-1	A1
Number of poles	1
Cross section single wire from	0.5 mm²
Cross section single wire to	2.5 mm²
Cross section stranded wire from	0.5 mm²
Cross section stranded wire to	2.5 mm²
Cross section stranded with ferrule from	0.5 mm²
Cross section stranded with ferrule to	1.5 mm²
Rated wire cross section from (AWG)	26
Rated wire cross section to (AWG)	14
Stripping length	8 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 60947-7-1:2009
EAC test standard	TR ZU 004/2011
KEMA KEUR test standard	EN 60947-7-2:2009

ADDITIONAL DATA

Tariff code	85369010
Country of origin	CZ
Weight	1.26 g

Pack size	100