

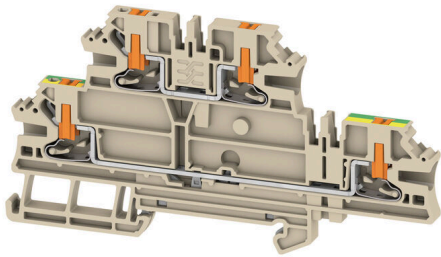
AL2T 2.5 FT-PE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

| | |
|------------|--|
| Version | Multi-tier modular terminal, PUSH IN, dark beige, 2.5 mm ² , 800 V, Number of connections: 4, Number of levels: 2, TS 35, V-0 |
| Order No. | 2847640000 |
| Type | AL2T 2.5 FT-PE |
| GTIN (EAN) | 4064675457183 |
| Qty. | 50 items |

AL2T 2.5 FT-PE

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Technical data

Approvals

Approvals



UL File Number Search [UL Website](#)
 Certificate No. (cURus) E0693VOL1SEC136

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 56.5 mm | Depth (inches) | 2.2244 inch |
| Height | 108 mm | Height (inches) | 4.252 inch |
| Width | 5.1 mm | Width (inches) | 0.2008 inch |
| Net weight | 19.09 g | | |

Temperatures

Continuous operating temp., min. -60 °C Continuous operating temp., max. 130 °C

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption
 REACH SVHC No SVHC above 0.1 wt%

Material data

Basic material Wemid Colour dark beige
 Colour of operational elements orange UL 94 flammability rating V-0

System specifications

| | | | |
|-----------------------------------|-----|-------------------------------------|-------|
| End cover plate required | Yes | Number of potentials | 2 |
| Number of levels | 2 | Number of clamping points per level | 2 |
| Levels cross-connected internally | No | Mounting rail | TS 35 |
| N-function | No | PE function | Yes |
| PEN function | No | | |

Additional technical data

| | | | |
|--------------------------|-----|------------------|-------|
| Snap-on | Yes | Type of fixing | TS 35 |
| Explosion-tested version | No | Type of mounting | TS 35 |

Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|---------------------|
| Gauge to IEC 60947-1 | A3 | Wire connection cross section AWG, max. | AWG 12 |
| Connection direction | on side | Stripping length | 10 mm |
| Type of connection 2 | PUSH IN | Type of connection | PUSH IN |
| Number of connections | 4 | Clamping range, max. | 2.5 mm ² |
| Clamping range, min. | 0.14 mm ² | Blade size | 0.6 x 3.5 mm |
| Wire connection cross section AWG, min. | AWG 28 | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm ² |

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|---|----------------------|---|----------------------|
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.14 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.14 mm ² | Wire connection cross section, finely stranded, max. | 4 mm ² |
| Wire connection cross section, finely stranded, min. | 0.14 mm ² | Connection cross-section, stranded, max. | 4 mm ² |
| Connection cross-section, stranded, min. | 0.14 mm ² | Wire connection cross-section, solid core, max. | 2.5 mm ² |
| Wire connection cross-section, solid core, min. | 0.14 mm ² | Connection cross-section, finely stranded, min. | 0.14 mm ² |

General

| | | | |
|---|---------------|---|--------|
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 28 |
| Standards | IEC 60947-7-1 | Mounting rail | TS 35 |

Rating data

| | | | |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 800 V |
| Rated DC voltage | 800 V | Nominal current | 24 A |
| Current at maximum wires | 24 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Rated impulse withstand voltage | 8 kV |
| Surge voltage category | III | Pollution severity | 3 |

UL rating data

| | | | |
|--|--------|--|-----------------|
| Conductor size Factory wiring max. (cURus) | 12 AWG | Voltage size B (cURus) | 600 V |
| Voltage size D (cURus) | 600 V | Certificate No. (cURus) | E0693VOL1SEC136 |
| Conductor size Field wiring min. (cURus) | 26 AWG | Conductor size Factory wiring min. (cURus) | 26 AWG |
| Current size B (cURus) | 20 A | Voltage size C (cURus) | 600 V |
| Current size C (cURus) | 20 A | Current size D (cURus) | 5 A |
| Conductor size Field wiring max. (cURus) | 12 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-02 |
| ECLASS 15.0 | 27-25-01-02 | | |

Drawings

