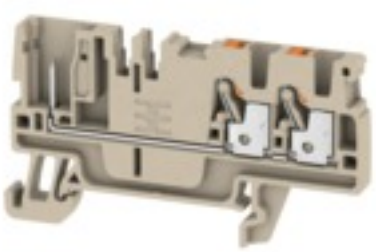
# APGTB 2.5 FT 3C/1

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Product image



Some applications demand for a pluggable, modular solution to be more flexible or to facilitate the installation. Where complete functional units have to be prefabricated or replaced, modular and flexible connection systems are required. Our pluggable terminal blocks can be quickly assembled and are completely factory tested.

### General ordering data

| | |
|---|---|
| Version | Feed-through terminal, PUSH IN, 2.5 mm², 800 V, 24 A, dark beige |
| Order No. | 1514000000 |
| Type | APGTB 2.5 FT 3C/1 |
| GTIN (EAN) | 4050118321371 |
| Qty. | 50 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 36.5 mm | Depth (inches) | 1.437 inch |
| Depth including DIN rail | 37 mm | Height | 66.5 mm |
| Height (inches) | 2.618 inch | Width | 5.1 mm |
| Width (inches) | 0.201 inch | Net weight | 7.492 g |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |

### Material data

| | | | |
|---|---|---|---|
| Material | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

### Rating data IECEx/ATEX

| | | | |
|---|---|---|---|
| Certificate No. (ATEX) | TUEV16ATEX7940U | Certificate No. (IECEX) | IECEXTUR16.0046U |
| Max. voltage (ATEX) | 800 V | Current (ATEX) | 15 A |
| Wire cross section max. (ATEX) | 2.5 mm² | Max. voltage (IECEX) | 800 V |
| Current (IECEX) | 15 A | Wire cross section max. (IECEX) | 2.5 mm² |
| Marking EN 60079-7 | Ex ec II C Gc | Ex 2014/34/EU label | II 3 G D |

### System specifications

| | | | |
|---|---|---|---|
| End cover plate required | Yes | Number of potentials | 1 |
| Number of levels | 1 | Number of clamping points per level | 3 |
| Number of potentials per tier | 1 | Levels cross-connected internally | No |
| PE connection | No | Rail | TS 35 |
| N-function | No | PE function | No |
| PEN function | No | | |

### Additional technical data

| | | | |
|---|---|---|---|
| Explosion-tested version | No | Installation advice | Rail |
| Open sides | right | Snap-on | No |
| Type of fixing | Snap-on | Type of mounting | TS 35 |
| With snap-in pegs | No | | |

### CSA rating data

| | | | |
|---|---|---|---|
| Certificate No. (CSA) | 200039-70089609 | Current size B (CSA) | 20 A |
| Current size C (CSA) | 20 A | Current size D (CSA) | 5 A |
| Voltage size B (CSA) | 600 V | Voltage size C (CSA) | 600 V |
| Voltage size D (CSA) | 600 V | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 28 AWG | | |

### Conductors for clamping (additional connection)

| | |
|---|---|
| Connection type, additional connection | pluggable |

### Conductors for clamping (rated connection)

| | |
|---|---|
| Blade size | 0.6 x 3.5 mm |
| Clamping range, max. | 4 mm² |

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## Technical data

| | | | |
|---|---|---|---|
| Clamping range, min. | 0.14 mm² | | |
| Connection cross-section, stranded, max. | 4 mm² | | |
| Connection cross-section, stranded, min. | 0.5 mm² | | |
| Connection direction | top | | |
| Gauge to IEC 60947-1 | A3 | | |
| Number of connections | 3 | | |
| Stripping length | 10 mm | | |
| Tube length for twin wire-end ferrule | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 0.5 mm² |
| | | max. | 0.75 mm² |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Tube length | min. | 8 mm |
| | | max. | 6 mm |
| | Cross-section for conductor connection | min. | 0.34 mm² |
| | | max. | 0.14 mm² |
| | Tube length | min. | 12 mm |
| | | max. | 6 mm |
| | Cross-section for conductor connection | min. | 1 mm² |
| | | max. | 0.5 mm² |
| | Tube length | min. | 12 mm |
| | | max. | 8 mm |
| | Cross-section for conductor connection | min. | 2.5 mm² |
| | | max. | 1.5 mm² |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Tube length | nominal | 5 mm |
| | Cross-section for conductor connection | nominal | 0.25 mm² |
| | Tube length | min. | 6 mm |
| | | max. | 10 mm |
| | Cross-section for conductor connection | min. | 0.5 mm² |
| | | max. | 1 mm² |
| | Tube length | min. | 7 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 1.5 mm² |
| | | max. | 4 mm² |
| Twin wire-end ferrules, max. | 0.75 mm² | | |
| Twin wire-end ferrules, min. | 0.5 mm² | | |
| Type of connection | PUSH IN | | |
| Type of connection 2 | Plug-in connection | | |
| Wire connection cross section AWG, max. | AWG 12 | | |
| Wire connection cross section AWG, min. | AWG 28 | | |
| Wire connection cross section, finely stranded, max. | 4 mm² | | |
| Wire connection cross section, finely stranded, min. | 0.5 mm² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm² | | |

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## Technical data

| | |
|---|---|
| Wire connection cross-section, solid core, max. | 2.5 mm² |
| Wire connection cross-section, solid core, min. | 0.5 mm² |

### General

| | | | |
|---|---|---|---|
| Installation advice | Rail | Rail | TS 35 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 28 |

### PE rating data

| | |
|---|---|
| PEN function | No |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 2.5 mm² | Rated voltage | 800 V |
| Rated DC voltage | 800 V | Rated current | 24 A |
| Current at maximum wires | 24 A | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 8 kV | Power loss in accordance with IEC 60947-7-x | 0.77 W |
| Pollution severity | 3 | Surge voltage category | III |

### UL rating data

| | | | |
|---|---|---|---|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 28 AWG | Conductor size Field wiring max. (cURus) | 12 AWG |
| Conductor size Field wiring min. (cURus) | 28 AWG | Current size B (cURus) | 20 A |
| Current size C (cURus) | 20 A | Current size D (cURus) | 5 A |
| Voltage size B (cURus) | 600 V | Voltage size C (cURus) | 600 V |
| Voltage size D (cURus) | 600 V | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 7.0 | EC000897 | ETIM 8.0 | EC000897 |
| ETIM 9.0 | EC000897 | ETIM 10.0 | EC000897 |
| ECLASS 11.0 | 27-14-11-20 | ECLASS 12.0 | 27-14-11-20 |
| ECLASS 13.0 | 27-25-01-17 | ECLASS 14.0 | 27-25-01-17 |
| ECLASS 15.0 | 27-25-01-17 | | |

### Environmental Product Compliance

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

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## Technical data

### Approvals

| | |
|---|---|
| Approvals |  |
| Approvals MAMID | https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/ |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Attestation of Conformity<br>ATEX Certificate<br>IECEX Certificate<br>DNVGL certificate<br>CCC Ex Certificate<br>DNV Certificate<br>CE Declaration of Conformity<br>UKCA declaration of conformity<br>Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| Tender specification | Klippon® Connect 1514000000 DE<br>Klippon® Connect 1514000000 EN |
| User Documentation | NTI_Ex nA APGTB 2.5 FT 3C_1.pdf<br>StorageConditionsTerminalBlocks<br>User Manual APGTB FT |
| Catalogues | Catalogues in PDF-format |

## APGTB 2.5 FT 3C/1

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## Drawings

