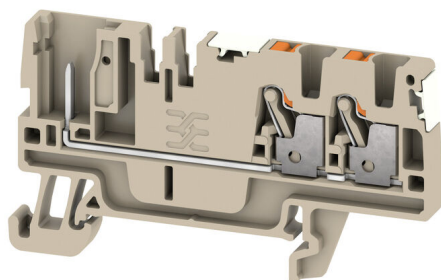


**APGTB 2.5 FT 3C/1 DL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

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    | Plug-in modular terminals, PUSH IN, 2.5 mm <sup>2</sup> , 800 V, 24 A, dark beige |
| Order No.  | <a href="#">2675850000</a>                                                        |
| Type       | APGTB 2.5 FT 3C/1 DL                                                              |
| GTIN (EAN) | 4050118716689                                                                     |
| Qty.       | 50 items                                                                          |

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|                          |             |                |            |
|--------------------------|-------------|----------------|------------|
| Depth                    | 36.5 mm     | Depth (inches) | 1.437 inch |
| Depth including DIN rail | 37 mm       | Height         | 36.5 mm    |
| Height (inches)          | 1.437 inch  | Width          | 5.1 mm     |
| Width (inches)           | 0.2008 inch | Net weight     | 8.12 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        |

## Environmental Product Compliance

|                          |                             |                 |  |
|--------------------------|-----------------------------|-----------------|--|
| RoHS Compliance Status   | Compliant without exemption |                 |  |
| REACH SVHC               | No SVHC above 0.1 wt%       |                 |  |
| Product Carbon Footprint | Cradle to gate              | 0.08 kg CO2 eq. |  |

## Material data

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Basic 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 mm <sup>2</sup> | Max. voltage (IECEX)            | 800 V               |
| Current (IECEX)                | 15 A                | Wire cross section max. (IECEX) | 2.5 mm <sup>2</sup> |

## 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  | Mounting rail                       | TS 35 |

## Additional technical data

|                  |       |                          |    |
|------------------|-------|--------------------------|----|
| Open sides       | right | Explosion-tested version | No |
| Type of mounting | TS 35 |                          |    |

## CSA rating data

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

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## Technical data

Wire cross section min. (CSA) 28 AWG

## Conductors for clamping (additional connection)

Connection type, additional connection pluggable

## Conductors for clamping (rated connection)

|                                                                                         |                                        |      |                      |
|-----------------------------------------------------------------------------------------|----------------------------------------|------|----------------------|
| Gauge to IEC 60947-1                                                                    | A3                                     |      |                      |
| Wire connection cross section AWG, max.                                                 | AWG 12                                 |      |                      |
| Connection direction                                                                    | top                                    |      |                      |
| Stripping length                                                                        | 10 mm                                  |      |                      |
| Type of connection                                                                      | PUSH IN                                |      |                      |
| Number of connections                                                                   | 3                                      |      |                      |
| Clamping range, max.                                                                    | 4 mm <sup>2</sup>                      |      |                      |
| Clamping range, min.                                                                    | 0.14 mm <sup>2</sup>                   |      |                      |
| 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. | 2.5 mm <sup>2</sup>                    |      |                      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.14 mm <sup>2</sup>                   |      |                      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm <sup>2</sup>                      |      |                      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.14 mm <sup>2</sup>                   |      |                      |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>                      |      |                      |
| Wire connection cross section, finely stranded, min.                                    | 0.14 mm <sup>2</sup>                   |      |                      |
| Connection cross-section, stranded, max.                                                | 4 mm <sup>2</sup>                      |      |                      |
| Connection cross-section, stranded, min.                                                | 0.14 mm <sup>2</sup>                   |      |                      |
| Twin wire-end ferrules, max.                                                            | 0.75 mm <sup>2</sup>                   |      |                      |
| Twin wire-end ferrules, min.                                                            | 0.5 mm <sup>2</sup>                    |      |                      |
| Wire connection cross-section, solid core, max.                                         | 2.5 mm <sup>2</sup>                    |      |                      |
| Wire connection cross-section, solid core, min.                                         | 0.14 mm <sup>2</sup>                   |      |                      |
| 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 mm <sup>2</sup> |
|                                                                                         |                                        | max. | 0.14 mm <sup>2</sup> |
|                                                                                         | Tube length                            | min. | 12 mm                |
|                                                                                         |                                        | max. | 6 mm                 |
|                                                                                         | Cross-section for conductor connection | min. | 1 mm <sup>2</sup>    |
|                                                                                         |                                        | max. | 0.5 mm <sup>2</sup>  |
|                                                                                         | Tube length                            | min. | 12 mm                |
|                                                                                         |                                        | max. | 8 mm                 |
|                                                                                         | Cross-section for conductor connection | min. | 2.5 mm <sup>2</sup>  |
|                                                                                         |                                        | max. | 1.5 mm <sup>2</sup>  |
| Tube length for twin wire-end ferrule                                                   | Tube length                            | min. | 8 mm                 |
|                                                                                         |                                        | max. | 12 mm                |
|                                                                                         | Cross-section for conductor connection | min. | 0.5 mm <sup>2</sup>  |

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## Technical data

|                                                                     |                                        |         |                      |
|---------------------------------------------------------------------|----------------------------------------|---------|----------------------|
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 |                                        | max.    | 0.75 mm <sup>2</sup> |
|                                                                     | Tube length                            | nominal | 5 mm                 |
|                                                                     | Cross-section for conductor connection | nominal | 0.25 mm <sup>2</sup> |
|                                                                     | Tube length                            | min.    | 6 mm                 |
|                                                                     |                                        | max.    | 10 mm                |
|                                                                     | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup>  |
|                                                                     |                                        | max.    | 1 mm <sup>2</sup>    |
|                                                                     | Tube length                            | min.    | 7 mm                 |
|                                                                     |                                        | max.    | 12 mm                |
|                                                                     | Cross-section for conductor connection | min.    | 1.5 mm <sup>2</sup>  |
|                                                                     |                                        | max.    | 4 mm <sup>2</sup>    |

## General

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 28 |
| Mounting rail                           | TS 35  |                                         |        |

## Rating data

|                                 |                     |                                              |         |
|---------------------------------|---------------------|----------------------------------------------|---------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage                                | 800 V   |
| Rated DC voltage                | 800 V               | Nominal 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  |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 14.0 | 27-25-01-17 |
| ECLASS 15.0 | 27-25-01-17 |             |             |

## Drawings

