

APGTB 4 PE 4C/2**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

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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 | PE terminal, PUSH IN, 4 mm ² , 800 V, Green/ yellow |
| Order No. | 2540180000 |
| Type | APGTB 4 PE 4C/2 |
| GTIN (EAN) | 4050118552003 |
| Qty. | 50 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 39.5 mm | Depth (inches) | 1.555 inch |
| Depth including DIN rail | 40.5 mm | Height | 98 mm |
| Height (inches) | 3.858 inch | Width | 6.1 mm |
| Width (inches) | 0.24 inch | Net weight | 18.115 g |

Temperatures

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

Material data

| | | | |
|--------------------------------|--------|---------------------------|--------------|
| Material | Wemid | Colour | Green/yellow |
| Colour of operational elements | orange | UL 94 flammability rating | V-0 |

System specifications

| | | | |
|-------------------------------|-----|-------------------------------------|-------|
| End cover plate required | Yes | Number of potentials | 1 |
| Number of levels | 1 | Number of clamping points per level | 4 |
| Number of potentials per tier | 1 | Levels cross-connected internally | No |
| PE connection | Yes | Rail | TS 35 |
| N-function | No | PE function | Yes |
| PEN function | No | | |

Additional technical data

| | | | |
|---------------------|-------|-------------------|---------|
| 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 | Voltage size B (CSA) | 600 V |
| Voltage size C (CSA) | 600 V | Voltage size D (CSA) | 600 V |
| Wire cross section max. (CSA) | 10 AWG | Wire cross section min. (CSA) | 26 AWG |

Conductors for clamping (rated connection)

| | | | |
|--|--|------|---------------------|
| Blade size | 0.6 x 3.5 mm | | |
| Clamping range, max. | 4 mm ² | | |
| Clamping range, min. | 0.14 mm ² | | |
| Connection cross-section, stranded, max. | 4 mm ² | | |
| Connection cross-section, stranded, min. | 0.5 mm ² | | |
| Connection direction | top | | |
| Gauge to IEC 60947-1 | A4 | | |
| Number of connections | 2 | | |
| Stripping length | 12 mm | | |
| Tube length for twin wire-end ferrule | Tube length | max. | 12 mm |
| | | min. | 8 mm |
| | Cross-section for conductor connection | min. | 0.5 mm ² |
| | | max. | 1.5 mm ² |

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Technical data

| | | | |
|---|---|--|---------------------|
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Cross-section for conductor connection | min. | 0.5 mm ² |
| | | max. | 10 mm ² |
| | Tube length | max. | 12 mm |
| | | min. | 6 mm |
| | Cross-section for conductor connection | min. | 1.5 mm ² |
| | | max. | 2.5 mm ² |
| Tube length | max. | 12 mm | |
| | min. | 8 mm | |
| Cross-section for conductor connection | nominal | 4 mm ² | |
| | Tube length | max. | 12 mm |
| | | min. | 10 mm |
| | Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | min. |
| max. | | | 1 mm ² |
| | Tube length | max. | 10 mm |
| | | min. | 6 mm |
| Cross-section for conductor connection | min. | 1.5 mm ² | |
| | max. | 2.5 mm ² | |
| Tube length | max. | 12 mm | |
| | min. | 7 mm | |
| Cross-section for conductor connection | nominal | 4 mm ² | |
| | Tube length | max. | 15 mm |
| | | min. | 9 mm |
| Twin wire-end ferrules, max. | 1.5 mm ² | | |
| Twin wire-end ferrules, min. | 0.5 mm ² | | |
| 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 26 | | |
| Wire connection cross section, finely stranded, max. | 4 mm ² | | |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | | |
| Wire connection cross-section, solid core, max. | 4 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

General

| | | | |
|---|----------------------------------|---|--------|
| Installation advice | Rail | Rail | TS 35 |
| Standards | In accordance with IEC 60947-7-2 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26 | | |

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PE rating data

| | | | |
|--------------------------|----------------------------|--------------|----|
| Rated short-time current | 480 A (4 mm ²) | PEN function | No |
|--------------------------|----------------------------|--------------|----|

Rating data

| | | | |
|--|-------------------|---|----------------------------------|
| Rated cross-section | 4 mm ² | Rated voltage | 800 V |
| Rated voltage to adjoining terminal | 800 V | Standards | In accordance with IEC 60947-7-2 |
| Volume resistance according to IEC 60947-7-x | 1 mΩ | Rated impulse withstand voltage | 8 kV |
| Rated impulse withstand voltage to adjacent terminal | 8 kV | Power loss in accordance with IEC 60947-7-x | 1.02 W |
| Pollution severity | 3 | Surge voltage category | III |

UL rating data

| | | | |
|--|--------|--|--------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 10 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus) | 10 AWG |
| Conductor size Field wiring min. (cURus) | 26 AWG | Voltage size B (cURus) | 600 V |
| Voltage size C (cURus) | 600 V | Voltage size D (cURus) | 600 V |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000901 | ETIM 7.0 | EC000901 |
| ETIM 8.0 | EC000901 | ECLASS 9.0 | 27-14-11-41 |
| ECLASS 9.1 | 27-14-11-41 | ECLASS 10.0 | 27-14-11-41 |
| ECLASS 11.0 | 27-14-11-41 | ECLASS 12.0 | 27-14-11-41 |

Approvals

Approvals



| | |
|-------------------------|------------|
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | DNVGL certificate CE Declaration of Conformity UKCA Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN |
| User Documentation | StorageConditionsTerminalBlocks BPZL APGTB PE |
| Catalogues | Catalogues in PDF-format |

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Drawings

