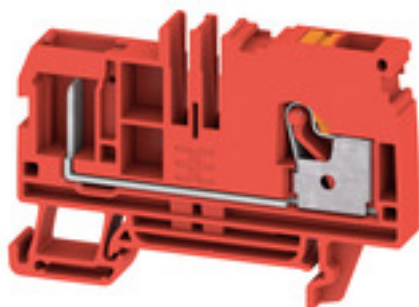


**APGTB 6 FT 2C/1 RD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**General ordering data**

|            |                                                                             |
|------------|-----------------------------------------------------------------------------|
| Version    | Feed-through terminal, PUSH IN, 6 mm <sup>2</sup> , 800 V, 41 A, dark beige |
| Order No.  | <a href="#">3002320000</a>                                                  |
| Type       | APGTB 6 FT 2C/1 RD                                                          |
| GTIN (EAN) | 4099986903227                                                               |
| Qty.       | 50 pc(s).                                                                   |

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## Technical data

## Dimensions and weights

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 45.5 mm  | Depth (inches)  | 1.791 inch |
| Height     | 66.5 mm  | Height (inches) | 2.618 inch |
| Width      | 6.1 mm   | Width (inches)  | 0.24 inch  |
| Net weight | 14.129 g |                 |            |

## Temperatures

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

## Material data

|                                |        |                           |            |
|--------------------------------|--------|---------------------------|------------|
| 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                | 1  |
| Number of levels                  | 1   | Number of clamping points per level | 1  |
| Levels cross-connected internally | No  | PE connection                       | No |
| N-function                        | No  | PE function                         | No |
| PEN function                      | No  |                                     |    |

## Additional technical data

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

## Conductors for clamping (additional connection)

Connection type, additional connection pluggable

## Conductors for clamping (rated connection)

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 1.0 x 5.5 mm         | Clamping range, max.                                                                    | 10 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 0.34 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 6 mm <sup>2</sup>   |
| Connection cross-section, stranded, min.                                                | 0.5 mm <sup>2</sup>  | Connection direction                                                                    | top                 |
| Gauge to IEC 60947-1                                                                    | A5                   | Number of connections                                                                   | 2                   |
| Stripping length                                                                        | 12 mm                | Type of connection                                                                      | PUSH IN             |
| Wire connection cross section AWG, max.                                                 | AWG 8                | Wire connection cross section AWG, min.                                                 | AWG 22              |
| Wire connection cross section, finely stranded, max.                                    | 10 mm <sup>2</sup>   | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 mm <sup>2</sup>    | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 mm <sup>2</sup>    | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.                                         | 6 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

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## Technical data

## General

|                                         |       |                                         |        |
|-----------------------------------------|-------|-----------------------------------------|--------|
| Wire connection cross section AWG, max. | AWG 8 | Wire connection cross section AWG, min. | AWG 22 |
|-----------------------------------------|-------|-----------------------------------------|--------|

## PE rating data

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

## Rating data

|                                 |                   |                                              |         |
|---------------------------------|-------------------|----------------------------------------------|---------|
| Rated cross-section             | 6 mm <sup>2</sup> | Rated voltage                                | 800 V   |
| Rated DC voltage                | 800 V             | Rated current                                | 41 A    |
| Current at maximum wires        | 41 A              | Volume resistance according to IEC 60947-7-x | 0.78 mΩ |
| Rated impulse withstand voltage | 8 kV              | Power loss in accordance with IEC 60947-7-x  | 1.31 mW |
| Pollution severity              | 3                 | Surge voltage category                       | III     |

## UL rating data

|                                            |        |                                            |       |
|--------------------------------------------|--------|--------------------------------------------|-------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 8 AWG |
| Conductor size Factory wiring min. (cURus) | 22 AWG | Conductor size Field wiring max. (cURus)   | 8 AWG |
| Conductor size Field wiring min. (cURus)   | 22 AWG | Current size B (cURus)                     | 37 A  |
| Current size C (cURus)                     | 37 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%       |

## Approvals

Approvals



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

## Downloads

|                                             |                                              |
|---------------------------------------------|----------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CE Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>              |

Creation date April 22, 2025 11:12:23 PM CEST

Catalogue status 22.04.2025 / We reserve the right to make technical changes.

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## Drawings

