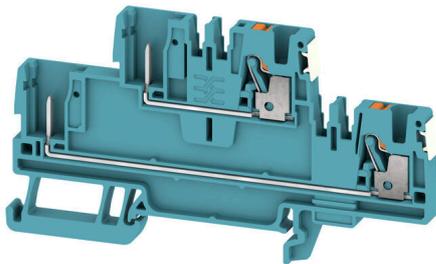


APGTB 2.5 2T 4C/2 DL BL

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

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 ² , 800 V, 24 A, blue |
| Order No. | 2675920000 |
| Type | APGTB 2.5 2T 4C/2 DL BL |
| GTIN (EAN) | 4050118716481 |
| Qty. | 50 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 50.5 mm | Depth (inches) | 1.9882 inch |
| Depth including DIN rail | 51 mm | Height | 91 mm |
| Height (inches) | 3.5827 inch | Width | 5.1 mm |
| Width (inches) | 0.2008 inch | Net weight | 11.62 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% |

Material data

| | | | |
|--------------------------------|--------|---------------------------|------|
| Basic material | Wemid | Colour | blue |
| Colour of operational elements | orange | 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 ² | Max. voltage (IECEX) | 800 V |
| Current (IECEX) | 15 A | Wire cross section max. (IECEX) | 2.5 mm ² |

System specifications

| | | | |
|-------------------------------|-----|-------------------------------------|-------|
| End cover plate required | Yes | Number of potentials | 2 |
| Number of levels | 2 | Number of clamping points per level | 2 |
| Number of potentials per tier | 1 | Levels cross-connected internally | No |
| PE connection | No | Mounting rail | TS 35 |
| PE function | No | PEN function | No |

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection pluggable

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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 | 4 | | | |
| Clamping range, max. | 4 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. | 2.5 mm ² | | | |
| 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. | 4 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 | | | |
| Twin wire-end ferrules, max. | 0.75 mm ² | | | |
| Twin wire-end ferrules, min. | 0.5 mm ² | | | |
| Wire connection cross-section, solid core, max. | 2.5 mm ² | | | |
| Wire connection cross-section, solid core, min. | 0.14 mm ² | | | |
| 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 ² | |
| | | max. | 0.14 mm ² | |
| | Tube length | min. | 12 mm | |
| | | max. | 6 mm | |
| Cross-section for conductor connection | min. | 1 mm ² | | |
| | max. | 0.5 mm ² | | |
| Tube length for twin wire-end ferrule | Tube length | min. | 8 mm | |
| | | max. | 12 mm | |
| | Cross-section for conductor connection | min. | 0.5 mm ² | |
| | | max. | 0.75 mm ² | |
| | 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 mm ² |
| Tube length | | min. | 6 mm | |
| | | max. | 10 mm | |
| Cross-section for conductor connection | min. | 0.5 mm ² | | |

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| | | |
|--|------|---------------------|
| Tube length | max. | 1 mm ² |
| | min. | 7 mm |
| Cross-section for conductor connection | max. | 12 mm |
| | min. | 1.5 mm ² |
| | max. | 2.5 mm ² |

General

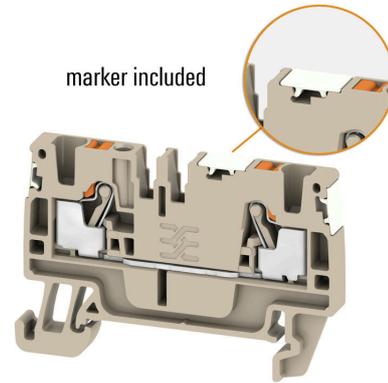
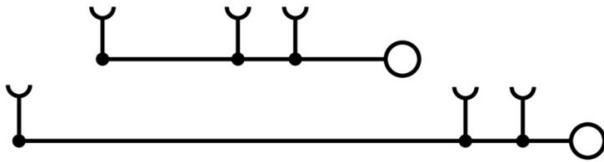
| | | | |
|---|--------|---|--------|
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 28 |
| Mounting rail | TS 35 | | |

Rating data

| | | | |
|---|---------------------|---------------------------------|-------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 800 V |
| Rated DC voltage | 800 V | Nominal current | 24 A |
| Current at maximum wires | 24 A | Rated impulse withstand voltage | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 0.77 W | Surge voltage category | III |
| Pollution severity | 3 | | |

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 | | |



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Accessories

End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|-----------------------|
| Type | AEB 35 SCL/1 V0 | Version |
| Order No. | 2661280000 | A-series, End bracket |
| GTIN (EAN) | 4050118702163 | |
| Qty. | 20 ST | |
| Type | AEB 35 SCL/1 V0 BK | Version |
| Order No. | 2661300000 | A-series, End bracket |
| GTIN (EAN) | 4050118702187 | |
| Qty. | 20 ST | |
| Type | AEB 35 SCL/1 V0 GY | Version |
| Order No. | 2661290000 | A-series, End bracket |
| GTIN (EAN) | 4050118702170 | |
| Qty. | 20 ST | |

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

| | | |
|------------|----------------------------|---------------------------|
| Type | APP 4 | Version |
| Order No. | 2489110000 | A-series, Partition plate |
| GTIN (EAN) | 4050118499322 | |
| Qty. | 50 ST | |

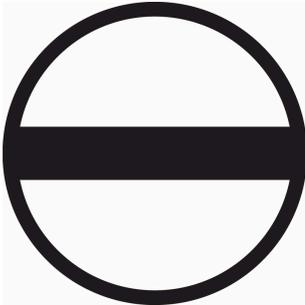
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Accessories

Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900, IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | SDIS SLIM 0.6X3.5X100 | Version | |
| Order No. | 2749610000 | Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm | |
| GTIN (EAN) | 4050118896350 | | |
| Qty. | 1 ST | | |

SnapMark



SnapMark - this tag carrier has been developed specifically for the I-series double-level terminal IDK 1.5N. The flexible pivot mechanism allows cross-connections to be easily installed or removed. It can hold four DEK 5 labelling tags or two WS 10/5 Middle connector markers.

General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | SNAPMARK I | Version | |
| Order No. | 1805880000 | Group markers, Terminal marker, 23 x 5 mm, Pitch in mm (P): 5.00 | |
| GTIN (EAN) | 4032248273614 | Weidmueller, white | |
| Qty. | 50 ST | | |

Plugs



The plugs for our WeiCoS-System are available for all different connection systems. The product range includes preassembled connectors from 1 to 10 poles and the possibility of an individual assembly. This ensures maximum flexibility for every application. The customized accessories increase the safety and protection against environmental influences.

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | APGCE | Version | |
| Order No. | 1514490000 | Coding element (terminal), Wemid, orange, Width: 3.3 mm | |
| GTIN (EAN) | 4050118321906 | | |
| Qty. | 50 ST | | |

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Accessories

Testadapter and testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | FZS 2/4 RT/80 SAKT4 | Version | |
| Order No. | 1276300000 | Plug (terminal), Plug-in connection, 2 mm ² , Number of connections: 2, | |
| GTIN (EAN) | 4008190026080 | Number of poles: 1, Width: 9 mm | |
| Qty. | 20 ST | | |