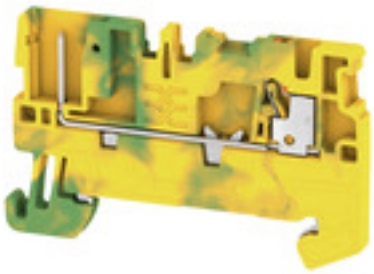
APGTB 1.5 PE 2C/1

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	PE terminal, pluggable, PUSH IN, 1.5 mm², 500 V, Green/yellow
Order No.	2482220000
Type	APGTB 1.5 PE 2C/1
GTIN (EAN)	4050118493931
Qty.	50 pc(s).

APGTB 1.5 PE 2C/1

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Technical data

Dimensions and weights

Depth	33.5 mm	Depth (inches)	1.319 inch
Depth including DIN rail	34.5 mm	Height	55 mm
Height (inches)	2.165 inch	Width	3.5 mm
Width (inches)	0.138 inch	Net weight	6.568 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

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV16ATEX7940U	Certificate No. (IECEX)	IECEXTUR16.0046U
Wire cross section max. (ATEX)	1.5 mm²	Wire cross section max. (IECEX)	1.5 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	2
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)	300 V
Voltage size C (CSA)	300 V	Voltage size D (CSA)	600 V
Wire cross section max. (CSA)	14 AWG	Wire cross section min. (CSA)	26 AWG

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Technical data

Conductors for clamping (rated connection)

Blade size	0.4 x 2.0 mm	Clamping range, max.	1.5 mm²
Clamping range, min.	0.14 mm²	Connection cross-section, stranded, max.	1.5 mm²
Connection cross-section, stranded, min.	0.5 mm²	Connection direction	top
Gauge to IEC 60947-1	A1	Number of connections	2
Stripping length	8 mm	Type of connection	pluggable, PUSH IN
Type of connection 2	Plug-in connection	Wire connection cross section AWG, max.	AWG 14
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section, finely stranded, max.	1.5 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.	1.5 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.	1 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²	Wire connection cross-section, solid core, max.	1.5 mm²
Wire connection cross-section, solid core, min.	0.5 mm²		

General

Installation advice	Rail	Rail	TS 35
Standards	In accordance with IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 14
Wire connection cross section AWG, min.	AWG 26		

PE rating data

Rated short-time current	180 A (1.5 mm²)	PEN function	No

Rating data

Rated cross-section	1.5 mm²	Rated voltage	500 V
Rated voltage to adjoining terminal	500 V	Rated DC voltage	500 V
Standards	In accordance with IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	1.83 mΩ
Rated impulse withstand voltage	6 kV	Power loss in accordance with IEC 60947-7-x	0.56 W
Pollution severity	3	Surge voltage category	III

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	14 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Conductor size Field wiring max. (cURus)	14 AWG
Conductor size Field wiring min. (cURus)	26 AWG	Voltage size B (cURus)	300 V
Voltage size C (cURus)	300 V	Voltage size D (cURus)	600 V

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Technical data

Classifications

ETIM 7.0	EC000897	ETIM 8.0	EC000897
ETIM 9.0	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		

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

Approvals

Approvals

ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Downloads

Approval/Certificate/Document of Conformity	ATEX Certificate Attestation of Conformity NTI APGTB 1.5 FT 2C/1 IECEX Certificate DNVGL certificate CCC Ex Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Tender specification	Klippon® Connect 2482220000 DE Klippon® Connect 2482220000 EN
User Documentation	StorageConditionsTerminalBlocks User Manual APGTB PE
Catalogues	Catalogues in PDF-format

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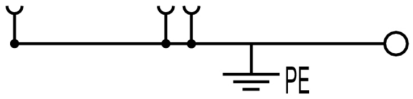
Drawings



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Accessories

1.5 mm²

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	APG 1.5 R GN	Version
Order No.	2482330000	Plug, 1.5 mm², 500 V, 17.5 A, Number of poles: 1, green
GTIN (EAN)	4050118494396	
Qty.	50 pc(s).	
Type	APG 1.5 L GN	Version
Order No.	2482270000	Plug, 1.5 mm², 500 V, 17.5 A, Number of poles: 1, green
GTIN (EAN)	4050118494303	
Qty.	50 pc(s).	
Type	APG 1.5 MI GN	Version
Order No.	2482300000	Plug, 1.5 mm², 500 V, 17.5 A, Number of poles: 1, green
GTIN (EAN)	4050118494365	
Qty.	50 pc(s).	

1.5 mm²

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

Type	AEP 2C 1.5	Version
Order No.	1552600000	A-series, End plate
GTIN (EAN)	4050118359602	
Qty.	50 pc(s).	
Type	AEP 2C 1.5 BL	Version
Order No.	1552610000	A-series, End plate
GTIN (EAN)	4050118359701	
Qty.	50 pc(s).	
Type	AEP 2C 1.5 OR	Version
Order No.	2052350000	A-series, End plate
GTIN (EAN)	4050118411980	
Qty.	50 pc(s).	

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Accessories

Locking elements

The plugs can be securely and easily fixed to the base terminal by using a locking element. The locking element avoids an unintentional disconnection of the plugs from the bas terminal and ensures maximum safety.

General ordering data

Type	APGLE 1.5	Version
Order No.	2482720000	Locking clips (terminal), Wemid, orange
GTIN (EAN)	4050118496253	
Qty.	25 pc(s).	

Protective covers

The cover of the plug contact offers protection from external influences, e.g. soiling from dust.

General ordering data

Type	APGPC 1.5	Version
Order No.	2482530000	Terminal cover, orange, Wemid, Height: 16 mm, Width: 3.3, Depth: 13
GTIN (EAN)	4050118494563	mm
Qty.	50 pc(s).	

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Accessories

Strain reliefs

The strain relief protects the contact against mechanical stress and protects the connector against inadvertent release from the contact point.

General ordering data

Type	APGSR 1.5 - 8P	Version
Order No.	2482750000	Strain relief (terminal), Wemid, orange
GTIN (EAN)	4050118494211	
Qty.	25 pc(s).	

Type	APGSR 1.5 - 4P	Version
Order No.	2482740000	Strain relief (terminal), Wemid, orange
GTIN (EAN)	4050118494204	
Qty.	25 pc(s).	

Type	APGSR 1.5	Version
Order No.	2482730000	Strain relief (terminal), Wemid, orange
GTIN (EAN)	4050118493993	
Qty.	25 pc(s).	

A-Series

A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

General ordering data

Type	APP 1	Version
Order No.	2488970000	A-series, Partition plate
GTIN (EAN)	4050118499216	
Qty.	50 pc(s).	

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Accessories

1.5 mm²

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

General ordering data

Type	ZQV 1.5N/3 RD	Version
Order No.	1985670000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 3,
GTIN (EAN)	4050118370348	Pitch in mm (P): 3.50, Insulated: Yes, Width: 9 mm
Qty.	60 pc(s).	
Type	ZQV 1.5N/7 BL	Version
Order No.	1985630000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 7,
GTIN (EAN)	4050118370522	Pitch in mm (P): 3.50, Insulated: Yes, Width: 23 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/4 BL	Version
Order No.	1985570000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 4,
GTIN (EAN)	4050118370317	Pitch in mm (P): 3.50, Insulated: Yes, Width: 12.5 mm
Qty.	60 pc(s).	
Type	ZQV 1.5N/8 BL	Version
Order No.	1985640000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 8,
GTIN (EAN)	4050118370461	Pitch in mm (P): 3.50, Insulated: Yes, Width: 26.5 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/5 BL	Version
Order No.	1985590000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 5,
GTIN (EAN)	4050118370430	Pitch in mm (P): 3.50, Insulated: Yes, Width: 16 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/9 BL	Version
Order No.	1985660000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 9,
GTIN (EAN)	4050118370478	Pitch in mm (P): 3.50, Insulated: Yes, Width: 30 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/5	Version
Order No.	1985500000	Cross-connector (terminal), Plugged, orange, 17.5 A, Number of poles:
GTIN (EAN)	4050118369991	5, Pitch in mm (P): 3.50, Insulated: Yes, Width: 16 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/6	Version
Order No.	1985510000	Cross-connector (terminal), Plugged, orange, 17.5 A, Number of poles:
GTIN (EAN)	4050118370188	6, Pitch in mm (P): 3.50, Insulated: Yes, Width: 19.5 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/20 RD	Version
Order No.	1985810000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 20,
GTIN (EAN)	4050118370355	Pitch in mm (P): 3.50, Insulated: Yes, Width: 70 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/50 BL	Version
Order No.	1985720000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles:
GTIN (EAN)	4050118370546	50, Pitch in mm (P): 3.50, Insulated: Yes, Width: 175 mm
Qty.	5 pc(s).	

APGTB 1.5 PE 2C/1

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Accessories

Type	ZQV 1.5N/10 BL	Version
Order No.	1985680000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles:
GTIN (EAN)	4050118370539	10, Pitch in mm (P): 3.50, Insulated: Yes, Width: 33.5 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/7	Version
Order No.	1985520000	Cross-connector (terminal), Plugged, orange, 17.5 A, Number of poles:
GTIN (EAN)	4050118370195	7, Pitch in mm (P): 3.50, Insulated: Yes, Width: 23 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/3	Version
Order No.	1985480000	Cross-connector (terminal), Plugged, orange, 17.5 A, Number of poles:
GTIN (EAN)	4050118370096	3, Pitch in mm (P): 3.50, Insulated: Yes, Width: 9 mm
Qty.	60 pc(s).	
Type	ZQV 1.5N/4 RD	Version
Order No.	1985690000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 4,
GTIN (EAN)	4050118370515	Pitch in mm (P): 3.50, Insulated: Yes, Width: 12.5 mm
Qty.	60 pc(s).	
Type	ZQV 1.5N/50 RD	Version
Order No.	1985820000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 50,
GTIN (EAN)	4050118370270	Pitch in mm (P): 3.50, Insulated: Yes, Width: 175 mm
Qty.	5 pc(s).	
Type	ZQV 1.5N/8	Version
Order No.	1985540000	Cross-connector (terminal), Plugged, orange, 17.5 A, Number of poles:
GTIN (EAN)	4050118370218	8, Pitch in mm (P): 3.50, Insulated: Yes, Width: 26.5 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/9 RD	Version
Order No.	1985790000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 9,
GTIN (EAN)	4050118370386	Pitch in mm (P): 3.50, Insulated: Yes, Width: 30 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/2	Version
Order No.	1985410000	Cross-connector (terminal), Plugged, orange, 17.5 A, Number of poles:
GTIN (EAN)	4050118369861	2, Pitch in mm (P): 3.50, Insulated: Yes, Width: 5.5 mm
Qty.	60 pc(s).	
Type	ZQV 1.5N/4	Version
Order No.	1985490000	Cross-connector (terminal), Plugged, orange, 17.5 A, Number of poles:
GTIN (EAN)	4050118370201	4, Pitch in mm (P): 3.50, Insulated: Yes, Width: 12.5 mm
Qty.	60 pc(s).	
Type	ZQV 1.5N/7 RD	Version
Order No.	1985750000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 7,
GTIN (EAN)	4050118370249	Pitch in mm (P): 3.50, Insulated: Yes, Width: 23 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/8 RD	Version
Order No.	1985770000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 8,
GTIN (EAN)	4050118370508	Pitch in mm (P): 3.50, Insulated: Yes, Width: 26.5 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/10	Version
Order No.	1985580000	Cross-connector (terminal), Plugged, orange, 17.5 A, Number of poles:
GTIN (EAN)	4050118370416	10, Pitch in mm (P): 3.50, Insulated: Yes, Width: 33.5 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/10 RD	Version
Order No.	1985800000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 10,
GTIN (EAN)	4050118370393	Pitch in mm (P): 3.50, Insulated: Yes, Width: 33.5 mm
Qty.	20 pc(s).	

APGTB 1.5 PE 2C/1

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Accessories

Type	ZQV 1.5N/20 BL	Version
Order No.	1985700000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles:
GTIN (EAN)	4050118370331	20, Pitch in mm (P): 3.50, Insulated: Yes, Width: 70 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/9	Version
Order No.	1985560000	Cross-connector (terminal), Plugged, orange, 17.5 A, Number of poles:
GTIN (EAN)	4050118370409	9, Pitch in mm (P): 3.50, Insulated: Yes, Width: 30 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/2 BL	Version
Order No.	1985530000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 2,
GTIN (EAN)	4050118370423	Pitch in mm (P): 3.50, Insulated: Yes, Width: 5.5 mm
Qty.	60 pc(s).	
Type	ZQV 1.5N/6 RD	Version
Order No.	1985730000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 6,
GTIN (EAN)	4050118370454	Pitch in mm (P): 3.50, Insulated: Yes, Width: 19.5 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/5 RD	Version
Order No.	1985710000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 5,
GTIN (EAN)	4050118370256	Pitch in mm (P): 3.50, Insulated: Yes, Width: 16 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/20	Version
Order No.	1985600000	Cross-connector (terminal), Plugged, orange, 17.5 A, Number of poles:
GTIN (EAN)	4050118370225	20, Pitch in mm (P): 3.50, Insulated: Yes, Width: 70 mm
Qty.	20 pc(s).	
Type	ZQV 1.5N/2 RD	Version
Order No.	1985650000	Cross-connector (terminal), Plugged, red, 17.5 A, Number of poles: 2,
GTIN (EAN)	4050118370324	Pitch in mm (P): 3.50, Insulated: Yes, Width: 5.5 mm
Qty.	60 pc(s).	
Type	ZQV 1.5N/3 BL	Version
Order No.	1985550000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 3,
GTIN (EAN)	4050118370485	Pitch in mm (P): 3.50, Insulated: Yes, Width: 9 mm
Qty.	60 pc(s).	
Type	ZQV 1.5N/50	Version
Order No.	1985620000	Cross-connector (terminal), Plugged, orange, 17.5 A, Number of poles:
GTIN (EAN)	4050118370300	50, Pitch in mm (P): 3.50, Insulated: Yes, Width: 175 mm
Qty.	5 pc(s).	
Type	ZQV 1.5N/6 BL	Version
Order No.	1985610000	Cross-connector (terminal), Plugged, blue, 17.5 A, Number of poles: 6,
GTIN (EAN)	4050118370492	Pitch in mm (P): 3.50, Insulated: Yes, Width: 19.5 mm
Qty.	20 pc(s).	

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Accessories

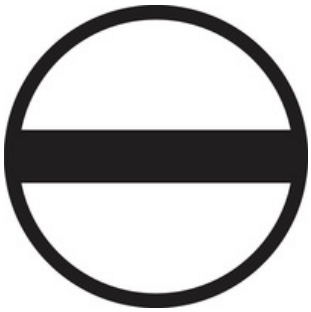
Coding elements

Through the use of coding pins, individual coding options ensure trouble-free plug-in connection.

General ordering data

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

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.4X2.0X60	Version
Order No.	2749260000	Screwdriver, Blade width (B): 2 mm, Blade length: 60 mm, Blade
GTIN (EAN)	4050118895537	thickness (A): 0.4 mm
Qty.	1 pc(s).	

APGTB 1.5 PE 2C/1

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Accessories

A-Series

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 SC/1	Version
Order No.	1991920000	A-series, End bracket
GTIN (EAN)	4050118376722	
Qty.	50 pc(s).	
Type	AEB 35 SCL/1 V0 GY	Version
Order No.	2661290000	A-series, End bracket
GTIN (EAN)	4050118702170	
Qty.	20 pc(s).	
Type	AEB 35 SCL/1 V0	Version
Order No.	2661280000	A-series, End bracket
GTIN (EAN)	4050118702163	
Qty.	20 pc(s).	
Type	AEB 35 SC/1 BK	Version
Order No.	2475310000	A-series, End bracket
GTIN (EAN)	4050118487114	
Qty.	50 pc(s).	
Type	AEB 35 SCL/1 V0 BK	Version
Order No.	2661300000	A-series, End bracket
GTIN (EAN)	4050118702187	
Qty.	20 pc(s).	