

APGTB 6 FT 2C/1 BK

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 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, 6 mm ² , 800 V, 41 A, dark beige
Order No.	3002300000
Type	APGTB 6 FT 2C/1 BK
GTIN (EAN)	4099986903210
Qty.	50 items

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Technical data

Approvals

Approvals



UL File Number Search

[UL Website](#)

Certificate No. (cURus)

E60693

Dimensions and weights

Depth	45.5 mm	Depth (inches)	1.7913 inch
Height	66.5 mm	Height (inches)	2.6181 inch
Width	6.1 mm	Width (inches)	0.2402 inch
Net weight	14.13 g		

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic 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

Open sides	right	Snap-on	No
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	A5	Wire connection cross section AWG, max.	AWG 8
Connection direction	top	Stripping length	12 mm
Type of connection	PUSH IN	Number of connections	2
Clamping range, max.	10 mm ²	Clamping range, min.	0.34 mm ²

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Blade size	1.0 x 5.5 mm	Wire connection cross section AWG, min.	AWG 22
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.34 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.34 mm ²
Wire connection cross section, finely stranded, max.	10 mm ²	Wire connection cross section, finely stranded, min.	0.34 mm ²
Connection cross-section, stranded, max.	6 mm ²	Connection cross-section, stranded, min.	0.34 mm ²
Wire connection cross-section, solid core, max.	6 mm ²	Wire connection cross-section, solid core, min.	0.34 mm ²

General

Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 22
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Rating data

Rated cross-section	6 mm ²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal 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
Surge voltage category	III	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (cURus)	8 AWG	Voltage size B (cURus)	600 V
Voltage size D (cURus)	600 V	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	22 AWG	Conductor size Factory wiring min. (cURus)	22 AWG
Current size B (cURus)	37 A	Voltage size C (cURus)	600 V
Current size C (cURus)	37 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	8 AWG		

Classifications

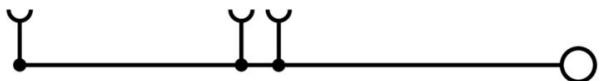
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-17
ECLASS 15.0	27-25-01-17		

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Drawings

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Accessories

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	ZQV 6N/10	Version
Order No.	2733970000	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles: 10, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3.1 mm
GTIN (EAN)	4064675066811	
Qty.	20 ST	
Type	ZQV 6N/10 BL	Version
Order No.	2786910000	Cross-connector (terminal), Plugged, blue, 41 A, Number of poles: 10, Pitch in mm (P): 8.00, Insulated: Yes, Width: 78.7 mm
GTIN (EAN)	4064675064602	
Qty.	20 ST	
Type	ZQV 6N/2	Version
Order No.	1985740000	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles: 2, Pitch in mm (P): 8.00, Insulated: Yes, Width: 13.7 mm
GTIN (EAN)	4050118370362	
Qty.	60 ST	
Type	ZQV 6N/2 BL	Version
Order No.	1985830000	Cross-connector (terminal), Plugged, blue, 41 A, Number of poles: 2, Pitch in mm (P): 8.00, Insulated: Yes, Width: 13.7 mm
GTIN (EAN)	4050118370232	
Qty.	60 ST	
Type	ZQV 6N/3	Version
Order No.	1985760000	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles: 3, Pitch in mm (P): 8.00, Insulated: Yes, Width: 21.8 mm
GTIN (EAN)	4050118370263	
Qty.	60 ST	
Type	ZQV 6N/20	Version
Order No.	2810820000	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles: 20, Pitch in mm (P): 8.00, Insulated: Yes, Width: 4.95 mm
GTIN (EAN)	4064675283430	
Qty.	20 ST	
Type	ZQV 6N/3 BL	Version
Order No.	1985840000	Cross-connector (terminal), Plugged, blue, 41 A, Number of poles: 3, Pitch in mm (P): 8.00, Insulated: Yes, Width: 21.8 mm
GTIN (EAN)	4050118370379	
Qty.	60 ST	
Type	ZQV 6N/4	Version
Order No.	1985780000	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles: 4, Pitch in mm (P): 8.00, Insulated: Yes, Width: 29.9 mm
GTIN (EAN)	4050118370287	
Qty.	60 ST	
Type	ZQV 6N/4 BL	Version
Order No.	1985850000	Cross-connector (terminal), Plugged, blue, 41 A, Number of poles: 4, Pitch in mm (P): 8.00, Insulated: Yes, Width: 29.9 mm
GTIN (EAN)	4050118370447	
Qty.	60 ST	
Type	ZQV 6N/6	Version
Order No.	2733950000	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles: 6, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3.1 mm
GTIN (EAN)	4064675066699	
Qty.	20 ST	

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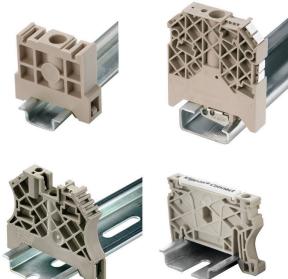
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Accessories

Type	ZQV 6N/6 BL	Version
Order No.	2786890000	Cross-connector (terminal), Plugged, blue, 41 A, Number of poles: 6,
GTIN (EAN)	4064675064572	Pitch in mm (P): 8.00, Insulated: Yes, Width: 46.3 mm
Qty.	20 ST	
Type	ZQV 6N/7	Version
Order No.	2733960000	Cross-connector (terminal), Plugged, orange, 41 A, Number of poles: 7,
GTIN (EAN)	4064675066804	Pitch in mm (P): 8.00, Insulated: Yes, Width: 3.1 mm
Qty.	20 ST	
Type	ZQV 6N/7 BL	Version
Order No.	2786900000	Cross-connector (terminal), Plugged, blue, 41 A, Number of poles: 7,
GTIN (EAN)	4064675064596	Pitch in mm (P): 8.00, Insulated: Yes, Width: 54.4 mm
Qty.	20 ST	

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 SC/1	Version
Order No.	1991920000	A-series, End bracket
GTIN (EAN)	4050118376722	
Qty.	50 ST	
Type	AEB 35 SC/1 BK	Version
Order No.	2475310000	A-series, End bracket
GTIN (EAN)	4050118487114	
Qty.	50 ST	
Type	AEB 35 SC/1 RM	Version
Order No.	3112300000	A-series, End bracket
GTIN (EAN)	4099987196413	
Qty.	50 ST	
Type	AEB 35 SCL/1 RM	Version
Order No.	3112310000	A-series, End bracket
GTIN (EAN)	4099987196420	
Qty.	20 ST	
Type	AEB 35 SCL/1 VO	Version
Order No.	2661280000	A-series, End bracket
GTIN (EAN)	4050118702163	
Qty.	20 ST	
Type	AEB 35 SCL/1 VO BK	Version
Order No.	2661300000	A-series, End bracket
GTIN (EAN)	4050118702187	
Qty.	20 ST	

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Accessories

Type	AEB 35 SCL/1 VO 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	AEP 2C 6	Version
Order No.	1991970000	A-series, End plate
GTIN (EAN)	4050118376692	
Qty.	50 ST	
Type	AEP 2C 6 BL	Version
Order No.	1991950000	A-series, End plate
GTIN (EAN)	4050118376739	
Qty.	50 ST	
Type	AEP 2C 6 OR	Version
Order No.	2052520000	A-series, End plate
GTIN (EAN)	4050118412123	
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	
Type	APG 6 L BK	Version
Order No.	3002500000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903371	
Qty.	50 ST	

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Accessories

Type	APG 6 L BL	Version
Order No.	3002490000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903364	
Qty.	50 ST	
Type	APG 6 L GN	Version
Order No.	3002480000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903357	
Qty.	50 ST	
Type	APG 6 L OR	Version
Order No.	3002520000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903395	
Qty.	50 ST	
Type	APG 6 L RD	Version
Order No.	3002510000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903388	
Qty.	50 ST	
Type	APG 6 MI BK	Version
Order No.	3002450000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903326	
Qty.	50 ST	
Type	APG 6 MI BL	Version
Order No.	3002440000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903319	
Qty.	50 ST	
Type	APG 6 MI GN	Version
Order No.	3002430000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903302	
Qty.	50 ST	
Type	APG 6 MI OR	Version
Order No.	3002470000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903340	
Qty.	50 ST	
Type	APG 6 MI RD	Version
Order No.	3002460000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903333	
Qty.	50 ST	
Type	APG 6 R BK	Version
Order No.	3002380000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903272	
Qty.	50 ST	
Type	APG 6 R BL	Version
Order No.	3002370000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903265	
Qty.	50 ST	
Type	APG 6 R GN	Version
Order No.	3002350000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903258	
Qty.	50 ST	
Type	APG 6 R OR	Version
Order No.	3002400000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903296	
Qty.	50 ST	

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Accessories

Type	APG 6 R RD	Version
Order No.	3002390000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 1, dark beige
GTIN (EAN)	4099986903289	
Qty.	50 ST	
Type	APG 6/10	Version
Order No.	2829070000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 10, beige
GTIN (EAN)	4064675382782	
Qty.	10 ST	
Type	APG 6/2	Version
Order No.	2882750000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 2, beige
GTIN (EAN)	4064675758273	
Qty.	25 ST	
Type	APG 6/3	Version
Order No.	2882690000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 3, beige
GTIN (EAN)	4064675758211	
Qty.	25 ST	
Type	APG 6/4	Version
Order No.	2829060000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 4, beige
GTIN (EAN)	4064675382768	
Qty.	25 ST	
Type	APG 6/5	Version
Order No.	2882700000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 5, beige
GTIN (EAN)	4064675758228	
Qty.	25 ST	
Type	APG 6/6	Version
Order No.	2882710000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 6, beige
GTIN (EAN)	4064675758235	
Qty.	25 ST	
Type	APG 6/7	Version
Order No.	2882720000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 7, beige
GTIN (EAN)	4064675758242	
Qty.	20 ST	
Type	APG 6/8	Version
Order No.	2882730000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 8, beige
GTIN (EAN)	4064675758259	
Qty.	20 ST	
Type	APG 6/9	Version
Order No.	2882740000	Plug, 6 mm ² , 800 V, 41 A, Number of poles: 9, beige
GTIN (EAN)	4064675758266	
Qty.	10 ST	

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Accessories

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/8 MC NE WS	Version
Order No.	1856740000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850	Weidmüller, white
Qty.	800 ST	

Custom printing



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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General ordering data

Type	DEK 5/8 MC SDR	Version
Order No.	1856750000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400867	Weidmüller, To customer specification
Qty.	160 ST	
Type	DEK 5/8 PLUS MC SDR	Version
Order No.	1046370000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782079	Weidmüller, To customer specification
Qty.	160 ST	

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Accessories

Plus



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Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/8 PLUS MC NE WS	Version
Order No.	1046350000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782055	Weidmüller, white
Qty.	800 ST	

DEK 5/8



WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	DEK 5/8 MM WS	Version
Order No.	2007130000	Dekafix, Terminal marker, 5 x 8 mm, Weidmüller, white
GTIN (EAN)	4050118392012	
Qty.	500 ST	

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Accessories

WS 8/8



WS/ DEK

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Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	WS-A 8/8 MM WS	Version
Order No.	2448930000	WS, Terminal marker, 8 x 8.1 mm, Weidmueller, white
GTIN (EAN)	4050118462982	
Qty.	500 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	APG 6/1	Version
Order No.	2762320000	Plug, 6 mm ² , 500 V, 30 A, Number of poles: 1, dark beige
GTIN (EAN)	4064675021322	
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	