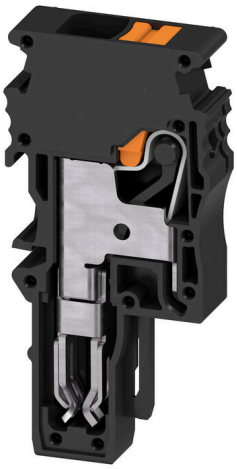
Data sheet

APG 6 R BK

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

www.weidmueller.com



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

Version	Plug, 6 mm², 800 V, 41 A, Number of poles: 1, dark beige
Order No.	3002380000
Type	APG 6 R BK
GTIN (EAN)	4099986903272
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	51 mm	Depth (inches)	2.0079 inch
Height	24.3 mm	Height (inches)	0.9567 inch
Width	8.1 mm	Width (inches)	0.3189 inch
Net weight	7.75 g		

Temperatures

Ambient temperature	-60 °C...85 °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	dark beige
Colour of operational elements	orange	UL 94 flammability rating	V-0

System specifications

End cover plate required	Yes	Number of potentials	1

Additional technical data

Open sides	Open	Type of mounting	Plugged

CSA rating data

Wire cross section max. (CSA)	8 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	29 A	Certificate No. (CSA)	200039-80099474
Voltage size B (CSA)	300 V	Current size B (CSA)	29 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	22 AWG		

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	1
Clamping range, max.	6 mm²	Clamping range, min.	0.5 mm²

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Technical data

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 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²
Wire connection cross section, finely stranded, max.	6 mm²	Wire connection cross section, finely stranded, min.	0.5 mm²
Connection cross-section, stranded, max.	6 mm²	Connection cross-section, stranded, min.	0.5 mm²
Wire connection cross-section, solid core, max.	6 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

General

Number of poles	1	Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 22	Standards	In accordance with IEC 60947-7-1

Rating data

Rated cross-section	6 mm²	Rated voltage	800 V
Rated voltage to adjoining terminal	800 V	Rated DC voltage	800 V
Nominal current	41 A	Current at maximum wires	41 A
Standards	In accordance with IEC 60947-7-1	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	EC002848	ETIM 9.0	EC002848
ETIM 10.0	EC002848	ECLASS 14.0	27-25-03-90
ECLASS 15.0	27-25-03-90		

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Accessories

Plugs

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General ordering data

Type	APGLE 6	Version
Order No.	2762400000	Locking element (terminal), Wemid, orange
GTIN (EAN)	4064675021407	
Qty.	20 ST	
Type	APGSR 6	Version
Order No.	2762390000	Strain relief (terminal), Wemid, orange
GTIN (EAN)	4064675021391	
Qty.	20 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-A 5/8 MM WS	Version
Order No.	2448860000	Dekafix, Terminal marker, 5 x 8.1 mm, Weidmueller, white
GTIN (EAN)	4050118462968	
Qty.	500 ST	

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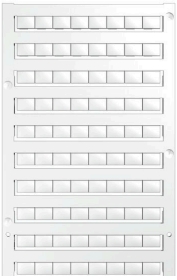
Accessories

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	Weidmueller, white
Qty.	800 ST	

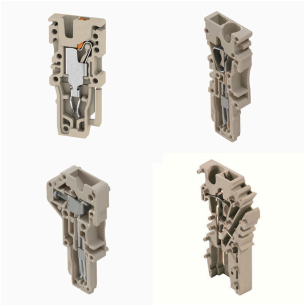
Slotted screwdriver

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 1.0X5.5X150	Version
Order No.	2749380000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade
GTIN (EAN)	4050118895605	thickness (A): 1 mm
Qty.	1 ST	

Plugs



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Accessories

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	MCV APG 6	Version
Order No.	2762380000	A-series, End plate
GTIN (EAN)	4064675021384	
Qty.	50 ST	