

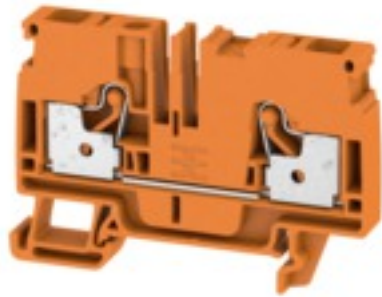
**A2C 6 OR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image****Spring connection with PUSH IN Technology**

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

**General ordering data**

Version	Feed-through terminal, PUSH IN, 6 mm <sup>2</sup> , 800 V, 41 A, orange
Order No.	<a href="#">1991800000</a>
Type	A2C 6 OR
GTIN (EAN)	4050118376487
Qty.	50 pc(s).

Creation date January 30, 2022 9:14:42 PM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Depth	45.5 mm	Depth (inches)	1.791 inch
Depth including DIN rail	46 mm	Height	66.5 mm
Height (inches)	2.618 inch	Width	8.1 mm
Width (inches)	0.319 inch	Net weight	16.37 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	orange
Colour of operational elements	orange	UL 94 flammability rating	V-0

**Rating data IECEx/ATEX**

Certificate No. (ATEX)	TUEV16ATEX7909U	Certificate No. (IECEX)	IECEXTUR16.0036U
Max. voltage (ATEX)	550 V	Current (ATEX)	37 A
Wire cross section max. (ATEX)	6 mm <sup>2</sup>	Max. voltage (IECEX)	550 V
Current (IECEX)	37 A	Wire cross section max. (IECEX)	6 mm <sup>2</sup>
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 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	PE connection	No
Rail	TS 35	N-function	No
PE function	No	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	Current size B (CSA)	38 A
Current size C (CSA)	38 A	Current size D (CSA)	5 A
Voltage size B (CSA)	600 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	22 AWG		

**Conductors for clamping (rated connection)**

Blade size	1.0 x 5.5 mm
Clamping range, max.	6 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

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## Technical data

Number of connections	2			
Stripping length	12 mm			
Tube length for twin wire-end ferrule	Cross-section for conductor connection	nominal	0.5 mm <sup>2</sup>	
		Tube length	min. 10 mm max. 12 mm	
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>	
		Tube length	min. 10 mm max. 18 mm	
	Cross-section for conductor connection	min.	1 mm <sup>2</sup>	
		max.	1.5 mm <sup>2</sup>	
	Tube length	min.	12 mm	
		max.	18 mm	
	Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
			max.	1 mm <sup>2</sup>
		Tube length	min.	10 mm
			max.	12 mm
Cross-section for conductor connection		nominal	1.5 mm <sup>2</sup>	
		Tube length	min. 10 mm max. 18 mm	
Cross-section for conductor connection		nominal	2.5 mm <sup>2</sup>	
		Tube length	min. 12 mm max. 18 mm	
Cross-section for conductor connection		min.	4 mm <sup>2</sup>	
		max.	6 mm <sup>2</sup>	
Tube length		min.	10 mm	
		max.	18 mm	
Tube length for wire-end ferrule without plastic collar DIN 46228/1		Tube length	nominal	10 mm
			Cross-section for conductor connection	min. 0.5 mm <sup>2</sup> max. 1 mm <sup>2</sup>
		Tube length		min. 10 mm max. 18 mm <sup>2</sup>
			Cross-section for conductor connection	min. 1.5 mm <sup>2</sup> max. 2.5 mm <sup>2</sup>
		Tube length		min. 12 mm max. 18 mm
			Cross-section for conductor connection	nominal 4 mm <sup>2</sup>
	Tube length	min. 10 mm max. 18 mm		
		Cross-section for conductor connection	nominal 6 mm <sup>2</sup>	
	Twin wire-end ferrules, max.		1.5 mm <sup>2</sup>	
	Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>		
	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.	6 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>			

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## Technical data

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>

### General

Installation advice	Rail	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 22		

### Rating data

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	800 V
Rated current	41 A	Current at maximum wires	41 A
Standards	IEC 60947-7-1	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 W
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)	38 A
Current size C (cURus)	38 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 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

### Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

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## Technical data

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">CB Test Certificate</a> <a href="#">CB Certificate</a> <a href="#">EAC certificate</a> <a href="#">DNVGL certificate</a> <a href="#">MARITREG certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">CE Declaration of Conformity all terminals</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Tender specification	<a href="#">Klippon® Connect 1991800000 DE</a> <a href="#">Klippon® Connect 1991800000 EN</a>
User Documentation	<a href="#">NTI_A2C_6.pdf</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">NTI ALO 16</a> <a href="#">BPZL AXC 1.5-16</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

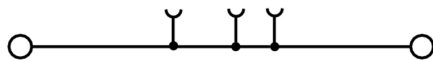
**Data sheet**

**A2C 6 OR**

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[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**



**A2C 6 OR****Weidmüller Interface GmbH & Co. KG**

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**Accessories****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

**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 SDR	Version
Order No.	<a href="#">1046370000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782079	Weidmueller, To customer specification
Qty.	160 pc(s).	
Type	DEK 5/8 MC SDR	Version
Order No.	<a href="#">1856750000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400867	Weidmueller, To customer specification
Qty.	160 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 2	Version
Order No.	<a href="#">2489090000</a>	A-series, Partition plate
GTIN (EAN)	4050118499308	
Qty.	50 pc(s).	

**A2C 6 OR**

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**Accessories**

**WS 8/8**



**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	WS-A 8/8 MM WS	Version	
Order No.	<a href="#">2448930000</a>	WS, Terminal marker, 8 x 8.1 mm, Weidmueller, white	
GTIN (EAN)	4050118462982		
Qty.	500 pc(s).		



## A2C 6 OR

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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.

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- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
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## General ordering data

Type	DEK 5/8 MC NE WS	Version	
Order No.	<a href="#">1856740000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00	
GTIN (EAN)	4032248400850	Weidmueller, white	
Qty.	800 pc(s).		

6 mm<sup>2</sup>

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 6N/2
Order No.	<a href="#">1985740000</a>
GTIN (EAN)	4050118370362
Qty.	60 pc(s).
Type	ZQV 6N/4 BL
Order No.	<a href="#">1985850000</a>
GTIN (EAN)	4050118370447
Qty.	60 pc(s).
Type	ZQV 6N/3
Order No.	<a href="#">1985760000</a>
GTIN (EAN)	4050118370263
Qty.	60 pc(s).

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories**

Type ZQV 6N/2 BL  
 Order No. [1985830000](#)  
 GTIN (EAN) 4050118370232  
 Qty. 60 pc(s).

Type ZQV 6N/3 BL  
 Order No. [1985840000](#)  
 GTIN (EAN) 4050118370379  
 Qty. 60 pc(s).

Type ZQV 6N/4  
 Order No. [1985780000](#)  
 GTIN (EAN) 4050118370287  
 Qty. 60 pc(s).

**6 mm<sup>2</sup>**

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 6	Version
Order No.	<a href="#">1991970000</a>	A-series, End plate
GTIN (EAN)	4050118376692	
Qty.	50 pc(s).	

Type	AEP 2C 6 BL	Version
Order No.	<a href="#">1991950000</a>	A-series, End plate
GTIN (EAN)	4050118376739	
Qty.	50 pc(s).	

Type	AEP 2C 6 OR	Version
Order No.	<a href="#">2052520000</a>	A-series, End plate
GTIN (EAN)	4050118412123	
Qty.	50 pc(s).	

**A2C 6 OR**

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**Accessories**

**Plus**



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
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**General ordering data**

Type	DEK 5/8 PLUS MC NE WS	Version	
Order No.	<a href="#">1046350000</a>		Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782055		Weidmueller, white
Qty.	800 pc(s).		

**A-Series**



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

**General ordering data**

Type	AAM 6 YE FLASH	Version	
Order No.	<a href="#">2635570000</a>		Terminal marker, 13 x 8.1 mm, Pitch in mm (P): 8.00 yellow
GTIN (EAN)	4050118674514		
Qty.	40 pc(s).		

**A2C 6 OR**

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**Accessories**

**A-Series**



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 ATPG 6 MI-R  
 Order No. [1991930000](#)  
 GTIN (EAN) 4050118376555  
 Qty. 50 pc(s).

Type ATPG 1.5-10 L  
 Order No. [1991890000](#)  
 GTIN (EAN) 4050118376647  
 Qty. 50 pc(s).

**Custom printing**



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

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**General ordering data**

Type	WS 10/8 PLUS MC SDR	Version
Order No.	<a href="#">1906030000</a>	WS, Terminal marker, 10 x 8 mm, Pitch in mm (P): 8.00 Weidmueller,
GTIN (EAN)	4032248528196	To customer specification
Qty.	84 pc(s).	

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

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## Accessories

## DEK 5/8

**WS/ DEK**

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- 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.	<a href="#">2007130000</a>	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 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 1.0X5.5X150	Version
Order No.	<a href="#">2749380000</a>	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm
GTIN (EAN)	4050118895605	
Qty.	1 pc(s).	

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**Accessories**

**Blank**



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**General ordering data**

Type	WS 10/8 PLUS MC NE WS	Version	
Order No.	<a href="#">1905950000</a>		WS, Terminal marker, 10 x 8 mm, Pitch in mm (P): 8.00 Weidmueller,
GTIN (EAN)	4032248528103		white
Qty.	420 pc(s).		

**Digital multimeters**



Multimeters are capable of measuring a number of variables. Each instrument can measure voltage and resistance, as well as performing continuity and diode testing as standard. In addition, the individual multimeters also feature extra measuring options such as current, frequency, capacitance and temperature. Digital multimeters have the advantage of a clear display which can be read easily and directly. With these instruments, mistakes arising from faulty conversion of the measuring ranges or misreading the display are a thing of the past.

**General ordering data**

Type	ZUB MULTIMETER	Version	
Order No.	<a href="#">9205270000</a>		Multimeter
GTIN (EAN)	4032248723522		
Qty.	1 pc(s).		

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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