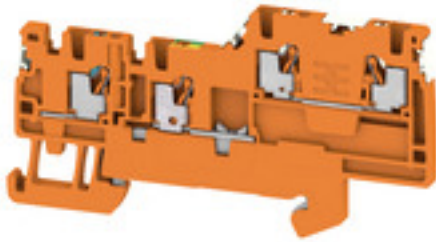


AIO21 1.5 SO-PE DL OR**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Signal wiring**

Tailored and particularly compact: with our AIO initiator/actuator terminal blocks, you are relying on an application-optimised solution for signal wiring. We also offer you other terminal blocks featuring spring and screw connection technology for signal wiring.

General ordering data

Version	Initiator/actuator terminal, PUSH IN, 1.5 mm ² , 250 V, 13.5 A, orange
Order No.	2675650000
Type	AIO21 1.5 SO-PE DL OR
GTIN (EAN)	4050118734096
Qty.	100 pc(s).

AIO21 1.5 SO-PE DL OR

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	42 mm	Depth (inches)	1.654 inch
Depth including DIN rail	43 mm	Height	80 mm
Height (inches)	3.15 inch	Width	3.5 mm
Width (inches)	0.138 inch	Net weight	10.01 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
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV17ATEX8031U	Certificate No. (IECEX)	IECEXTUR17.0016U
Max. voltage (ATEX)	220 V	Current (ATEX)	12 A
Wire cross section max. (ATEX)	1.5 mm ²	Max. voltage (IECEX)	220 V
Current (IECEX)	12 A	Wire cross section max. (IECEX)	1.5 mm ²

System specifications

End cover plate required	Yes	Number of potentials	3
Number of levels	2	Rail	TS 35

Additional technical data

Explosion-tested version	Yes	Open sides	right
Type of mounting	TS 35		

Conductors for clamping (rated connection)

Blade size	0.4 x 2.0 mm		
Clamping range, max.	1.5 mm ²		
Clamping range, min.	0.14 mm ²		
Connection cross-section, stranded, max.	1.5 mm ²		
Connection cross-section, stranded, min.	0.5 mm ²		
Connection direction	top		
Gauge to IEC 60947-1	A1		
Number of connections	4		
Stripping length	8 mm		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.14 mm ²
		max.	0.75 mm ²
	Tube length	min.	6 mm
		max.	8 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	min.	5 mm
	Cross-section for conductor connection	nominal	0.25 mm ²
	Tube length	nominal	6 mm
	Cross-section for conductor connection	min.	0.5 mm ²
		max.	1 mm ²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	1.5 mm ²

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Technical data

Type of connection	PUSH IN
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 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	1.5 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²

General

Rail	TS 35	Standards	In accordance with IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 14	Wire connection cross section AWG, min.	AWG 26

Rating data

Rated cross-section	1.5 mm ²	Rated voltage	250 V
Rated DC voltage	250 V	Rated current	13.5 A
Current at maximum wires	13.5 A	Standards	In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.83 mΩ	Rated impulse withstand voltage	4 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	Current size D (cURus)	13 A
Voltage size D (cURus)	150 V		

Classifications

ETIM 6.0	EC000900	ETIM 7.0	EC000900
ETIM 8.0	EC000900	ETIM 9.0	EC000900
ECLASS 9.0	27-14-11-28	ECLASS 9.1	27-14-11-28
ECLASS 10.0	27-14-11-28	ECLASS 11.0	27-14-11-28
ECLASS 12.0	27-14-11-28	ECLASS 13.0	27-25-01-12

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Technical data

Approvals

Approvals



UL File Number Search

UL Website

Certificate No. (cURus)

E60693

Downloads

Approval/Certificate/Document of Conformity

[Attestation of Conformity](#)[CE Declaration of Conformity](#)[UKCA declaration of conformity](#)[Confirmation of Standards EN 45545-2_2020-10](#)

Engineering Data

[CAD data – STEP](#)

Catalogues

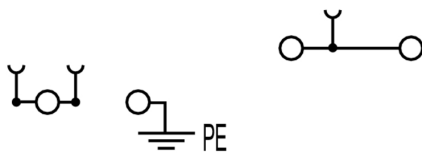
[Catalogues in PDF-format](#)

AIO21 1.5 SO-PE DL OR

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Drawings



AIO21 1.5 SO-PE DL OR**Weidmüller Interface GmbH & Co. KG**

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www.weidmueller.com**Accessories****A-Series**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 3	Version
Order No.	2489100000	A-series, Partition plate
GTIN (EAN)	4050118499315	
Qty.	50 pc(s).	

Digital current clamp devices

Digital current clamp devices and attachments and adapters are used for measuring AC and DC currents. The significant advantage of these devices is that you can make a measurement without breaking the flow of current.

General ordering data

Type	ZUB MULTIMETER	Version
Order No.	9205270000	Multimeter
GTIN (EAN)	4032248723522	
Qty.	1 pc(s).	

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Accessories

1.5 mm²


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/8 BL	Version
Order No.	1985640000	Cross-connector (terminal), Plugged, Number of poles: 8, Pitch in mm
GTIN (EAN)	4050118370461	(P): 3.50, Insulated: Yes, 17.5 A, blue
Qty.	20 pc(s).	
Type	ZQV 1.5N/3	Version
Order No.	1985480000	Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm
GTIN (EAN)	4050118370096	(P): 3.50, Insulated: Yes, 17.5 A, orange
Qty.	60 pc(s).	
Type	ZQV 1.5N/5 BL	Version
Order No.	1985590000	Cross-connector (terminal), Plugged, Number of poles: 5, Pitch in mm
GTIN (EAN)	4050118370430	(P): 3.50, Insulated: Yes, 17.5 A, blue
Qty.	20 pc(s).	
Type	ZQV 1.5N/2 BL	Version
Order No.	1985530000	Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm
GTIN (EAN)	4050118370423	(P): 3.50, Insulated: Yes, 17.5 A, blue
Qty.	60 pc(s).	
Type	ZQV 1.5N/20	Version
Order No.	1985600000	Cross-connector (terminal), Plugged, Number of poles: 20, Pitch in mm
GTIN (EAN)	4050118370225	(P): 3.50, Insulated: Yes, 17.5 A, orange
Qty.	20 pc(s).	
Type	ZQV 1.5N/3 BL	Version
Order No.	1985550000	Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm
GTIN (EAN)	4050118370485	(P): 3.50, Insulated: Yes, 17.5 A, blue
Qty.	60 pc(s).	
Type	ZQV 1.5N/50	Version
Order No.	1985620000	Cross-connector (terminal), Plugged, Number of poles: 50, Pitch in mm
GTIN (EAN)	4050118370300	(P): 3.50, Insulated: Yes, 17.5 A, orange
Qty.	5 pc(s).	
Type	ZQV 1.5N/50 BL	Version
Order No.	1985720000	Cross-connector (terminal), Plugged, Number of poles: 50, Pitch in mm
GTIN (EAN)	4050118370546	(P): 3.50, Insulated: Yes, 17.5 A, blue
Qty.	5 pc(s).	
Type	ZQV 1.5N/4	Version
Order No.	1985490000	Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm
GTIN (EAN)	4050118370201	(P): 3.50, Insulated: Yes, 17.5 A, orange
Qty.	60 pc(s).	
Type	ZQV 1.5N/5	Version
Order No.	1985500000	Cross-connector (terminal), Plugged, Number of poles: 5, Pitch in mm
GTIN (EAN)	4050118369991	(P): 3.50, Insulated: Yes, 17.5 A, orange
Qty.	20 pc(s).	

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Catalogue status 20.04.2024 / We reserve the right to make technical changes.

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Accessories

Type	ZQV 1.5N/10 BL	Version
Order No.	1985680000	Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm
GTIN (EAN)	4050118370539	(P): 3.50, Insulated: Yes, 17.5 A, blue
Qty.	20 pc(s).	
Type	ZQV 1.5N/6 BL	Version
Order No.	1985610000	Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm
GTIN (EAN)	4050118370492	(P): 3.50, Insulated: Yes, 17.5 A, blue
Qty.	20 pc(s).	
Type	ZQV 1.5N/6	Version
Order No.	1985510000	Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm
GTIN (EAN)	4050118370188	(P): 3.50, Insulated: Yes, 17.5 A, orange
Qty.	20 pc(s).	
Type	ZQV 1.5N/4 BL	Version
Order No.	1985570000	Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm
GTIN (EAN)	4050118370317	(P): 3.50, Insulated: Yes, 17.5 A, blue
Qty.	60 pc(s).	
Type	ZQV 1.5N/7	Version
Order No.	1985520000	Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm
GTIN (EAN)	4050118370195	(P): 3.50, Insulated: Yes, 17.5 A, orange
Qty.	20 pc(s).	
Type	ZQV 1.5N/7 BL	Version
Order No.	1985630000	Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm
GTIN (EAN)	4050118370522	(P): 3.50, Insulated: Yes, 17.5 A, blue
Qty.	20 pc(s).	
Type	ZQV 1.5N/10	Version
Order No.	1985580000	Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm
GTIN (EAN)	4050118370416	(P): 3.50, Insulated: Yes, 17.5 A, orange
Qty.	20 pc(s).	
Type	ZQV 1.5N/2	Version
Order No.	1985410000	Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm
GTIN (EAN)	4050118369861	(P): 3.50, Insulated: Yes, 17.5 A, orange
Qty.	60 pc(s).	
Type	ZQV 1.5N/9 BL	Version
Order No.	1985660000	Cross-connector (terminal), Plugged, Number of poles: 9, Pitch in mm
GTIN (EAN)	4050118370478	(P): 3.50, Insulated: Yes, 17.5 A, blue
Qty.	20 pc(s).	
Type	ZQV 1.5N/20 BL	Version
Order No.	1985700000	Cross-connector (terminal), Plugged, Number of poles: 20, Pitch in mm
GTIN (EAN)	4050118370331	(P): 3.50, Insulated: Yes, 17.5 A, blue
Qty.	20 pc(s).	
Type	ZQV 1.5N/9	Version
Order No.	1985560000	Cross-connector (terminal), Plugged, Number of poles: 9, Pitch in mm
GTIN (EAN)	4050118370409	(P): 3.50, Insulated: Yes, 17.5 A, orange
Qty.	20 pc(s).	
Type	ZQV 1.5N/8	Version
Order No.	1985540000	Cross-connector (terminal), Plugged, Number of poles: 8, Pitch in mm
GTIN (EAN)	4050118370218	(P): 3.50, Insulated: Yes, 17.5 A, orange
Qty.	20 pc(s).	

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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 5/3.5 MC NE GE	Version
Order No.	1369480000	Dekafix, Terminal marker, 5 x 3.5 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4050118171860	Weidmueller, yellow
Qty.	500 pc(s).	
Type	DEK 5/3.5 MC NE WS	Version
Order No.	1755270000	Dekafix, Terminal marker, 5 x 3.5 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4032248017348	Weidmueller, white
Qty.	500 pc(s).	
Type	DEK 5/3.5 PLUS MC NE WS	Version
Order No.	2003750000	Dekafix, Terminal marker, 5 x 3.5 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4050118424430	Weidmueller, white
Qty.	1,600 pc(s).	

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 1.5 MIR	Version
Order No.	1991880000	Test adapter (terminal), 1.5 mm ² , 250 V, 0.2 A
GTIN (EAN)	4050118376715	
Qty.	50 pc(s).	

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Accessories

Type	ATPG 1.5-10 L	Version
Order No.	1991890000	Test adapter (terminal), 1.5 mm ² , 250 V, 0.2 A
GTIN (EAN)	4050118376647	
Qty.	50 pc(s).	

A-Series

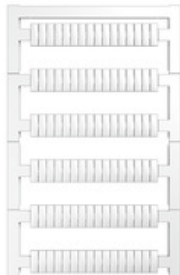


Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

Type	AAM 1.5 YE FLASH	Version
Order No.	2635520000	Terminal marker, 6.2 x 3.5 mm, Pitch in mm (P): 3.50 yellow
GTIN (EAN)	4050118674088	
Qty.	40 pc(s).	

Blank



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

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	WS 10/3.5 PLUS MC NE WS	Version
Order No.	2003760000	WS, Terminal marker, 10 x 3.5 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4050118424454	Weidmueller, white
Qty.	960 pc(s).	

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Accessories

DEK 5/3.5

**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 5/3.5 MM WS	Version
Order No.	2007100000	Dekafix, Terminal marker, 5 x 3.5 mm, Weidmueller, white
GTIN (EAN)	4050118391992	
Qty.	1,000 pc(s).	

1.5 mm²

To ensure the finger safety and the compliance to the required clearance and creepage distances, an end plate has to be placed at the end of a plug.

General ordering data

Type	AEP IO21	Version
Order No.	1993580000	A-series, End plate
GTIN (EAN)	4050118378535	
Qty.	50 pc(s).	

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Accessories

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

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	WS 10/3.5 PLUS MC SDR	Version
Order No.	2007760000	WS, Terminal marker, 10 x 3.5 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4050118393262	Weidmueller, To customer specification
Qty.	192 pc(s).	

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	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 GY	Version
Order No.	2661290000	A-series, End bracket
GTIN (EAN)	4050118702170	
Qty.	20 pc(s).	
Type	AEB 35 SC/1	Version
Order No.	1991920000	A-series, End bracket
GTIN (EAN)	4050118376722	
Qty.	50 pc(s).	

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Type	AEB 35 SCL/1 V0 BK	Version
Order No.	2661300000	A-series, End bracket
GTIN (EAN)	4050118702187	
Qty.	20 pc(s).	

WS 8/3.5**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 8/3.5 MM WS	Version
Order No.	2007140000	WS, Terminal marker, 8 x 3.5 mm, Weidmueller, white
GTIN (EAN)	4050118391893	
Qty.	1,000 pc(s).	

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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 5/3.5 MC SDR	Version
Order No.	1767730000	Dekafix, Terminal marker, 5 x 3.5 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4032248102532	Weidmueller, To customer specification
Qty.	100 pc(s).	
Type	DEK 5/3.5 PLUS MC SDR	Version
Order No.	2007790000	Dekafix, Terminal marker, 5 x 3.5 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4050118393347	Weidmueller, To customer specification
Qty.	320 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 thickness (A): 0.4 mm
GTIN (EAN)	4050118895537	
Qty.	1 pc(s).	