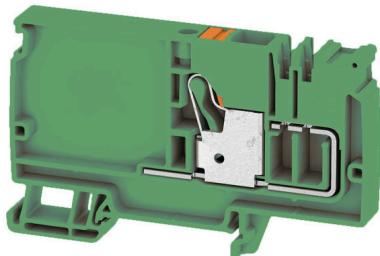


**AAP12 10 LO GN/OR****Weidmüller Interface GmbH & Co. KG**Klingenbergsstraße 26  
D-32758 Detmold  
Germany[www.weidmueller.com](http://www.weidmueller.com)**Product image**

The unique modular concept can be tailored to every type of machine. The potential distribution terminal blocks AAP are successful thanks to their uniform design with two possible constructions – alternating or grouped. In the grouped structure of the control voltage distribution, the potentials are located on different terminal blocks and thus form entire potential blocks.

**General ordering data**

Version	Supply terminal, PUSH IN, 10 mm <sup>2</sup> , 800 V, 57 A, green
Order No.	<a href="#">2619410000</a>
Type	AAP12 10 LO GN/OR
GTIN (EAN)	4050118623123
Qty.	20 items

## AAP12 10 LO GN/OR

Weidmüller Interface GmbH & Co. KG  
Klingenbergsstraße 26  
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Germany

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

## Technical data

## Approvals

Approvals



RoHS

Conform

## Dimensions and weights

Depth	53.5 mm	Depth (inches)	2.1063 inch
Height	89 mm	Height (inches)	3.5039 inch
Width	10 mm	Width (inches)	0.3937 inch
Net weight	25.34 g		

## Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °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	green
Colour of operational elements	orange	UL 94 flammability rating	V-0

## Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV17ATEX8030U	Certificate No. (IECEx)	IECEx TUR17.0015U
Max. voltage (ATEX)	690 V	Current (ATEX)	45 A
Wire cross section max. (ATEX)	10 mm <sup>2</sup>	Max. voltage (IECEx)	690 V
Current (IECEx)	45 A	Wire cross section max. (IECEx)	10 mm <sup>2</sup>
Marking EN 60079-7	Ex ec II C Gc	Ex 2014/34/EU label	II 2 G D

## System specifications

End cover plate required	Yes	Number of levels	1
Number of clamping points per level	1	Levels cross-connected internally	No
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

## Additional technical data

Snap-on	Yes	Type of fixing	TS 35
Explosion-tested version	Yes	Type of mounting	TS 35

## Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

## Technical data

## Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 6
Connection direction	top
Stripping length	18 mm
Type of connection	PUSH IN
Number of connections	1
Clamping range, max.	16 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 20
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 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, max.	10 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>
Connection cross-section, stranded, max.	16 mm <sup>2</sup>
Connection cross-section, stranded, min. 0.5 mm <sup>2</sup>	
Twin wire-end ferrules, max.	4 mm <sup>2</sup>
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	10 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>
Connection cross-section, finely stranded, max.	16 mm <sup>2</sup>
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length
	Cross-section for conductor connection
	Tube length
	Cross-section for conductor connection
	Tube length
	Cross-section for conductor connection
Tube length for twin wire-end ferrule	Tube length
	Cross-section for conductor connection
	Tube length
	Cross-section for conductor connection
	Tube length
	Cross-section for conductor connection
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length
	Cross-section for conductor connection
	Tube length
	Cross-section for conductor connection
	Tube length
	Cross-section for conductor connection

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## Technical data

## General

Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 20
Standards	In accordance with IEC 60947-7-1	Mounting rail	TS 35

## Rating data

Rated cross-section	10 mm <sup>2</sup>	Rated voltage	800 V
Rated voltage to adjoining terminal	800 V	Rated DC voltage	800 V
Nominal current	57 A	Current at maximum wires	57 A
Standards	In accordance with IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.56 mΩ
Power loss in accordance with IEC 60947-7-x	1.82 W	Surge voltage category	III
Pollution severity	3		

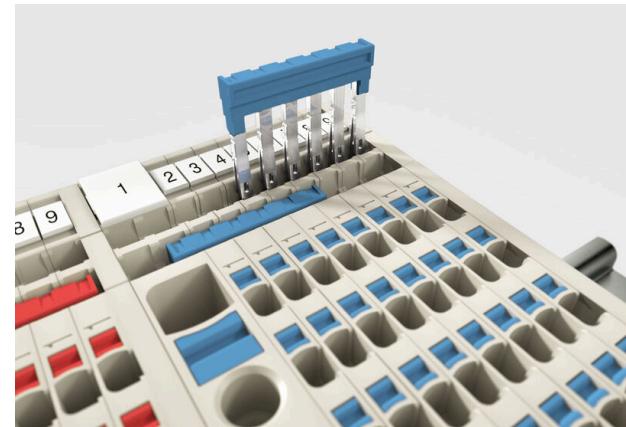
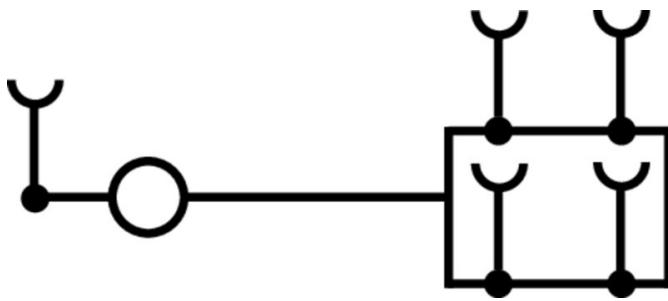
## Classifications

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

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**Drawings**

## AAP12 10 LO GN/OR

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## Accessories

## Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

## General ordering data

Type	BZT 1 WS 10/5	Version
Order No.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	
Type	BZT 1 ZA WS 10/5	Version
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	

## End plates and partition plates

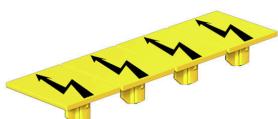


Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row 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	APP 3	Version
Order No.	<a href="#">2489100000</a>	A-series, Partition plate
GTIN (EAN)	4050118499315	
Qty.	50 ST	

## Warning cover



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.

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## Accessories

## General ordering data

Type	AAM 10 YE FLASH	Version
Order No.	<a href="#">2635580000</a>	A-series, Terminal marker, 14 x 10 mm, yellow
GTIN (EAN)	4050118674521	
Qty.	40 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 SCL/1 V0	Version
Order No.	<a href="#">2661280000</a>	A-series, End bracket
GTIN (EAN)	4050118702163	
Qty.	20 ST	
Type	AEB 35 SCL/1 V0 BK	Version
Order No.	<a href="#">2661300000</a>	A-series, End bracket
GTIN (EAN)	4050118702187	
Qty.	20 ST	
Type	AEB 35 SCL/1 V0 GY	Version
Order No.	<a href="#">2661290000</a>	A-series, End bracket
GTIN (EAN)	4050118702170	
Qty.	20 ST	

## WS 8/10



## 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

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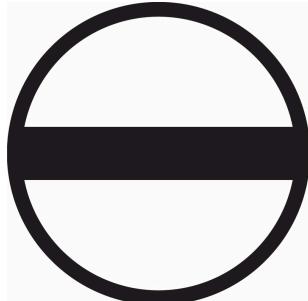
[www.weidmueller.com](http://www.weidmueller.com)

## Accessories

## General ordering data

Type	WS-A 8/10 MM WS	Version
Order No.	<a href="#">2619890000</a>	WS, Terminal marker, 8 x 10 mm, Weidmüller, white
GTIN (EAN)	4050118626193	
Qty.	350 ST	

## Slotted screwdriver

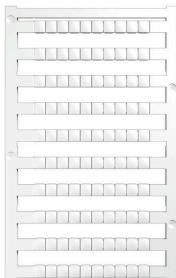


VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

## General ordering data

Type	SDIS SLIM 0.6X3.5X100	Version
Order No.	<a href="#">2749610000</a>	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4050118896350	thickness (A): 0.6 mm
Qty.	1 ST	

## 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
- 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 5/5 PLUS MC NE WS	Version
Order No.	<a href="#">1854490000</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4032248393596	Weidmüller, white
Qty.	1000 ST	
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	Weidmüller, white
Qty.	800 ST	

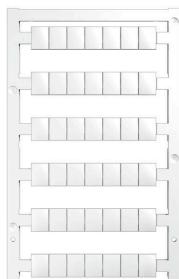
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## Accessories

## 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 10/8 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 ST	

## 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.	<a href="#">1276300000</a>	Plug (terminal), Plug-in connection, 2 mm <sup>2</sup> , Number of connections: 2,
GTIN (EAN)	4008190026080	Number of poles: 1, Width: 9 mm
Qty.	20 ST	