

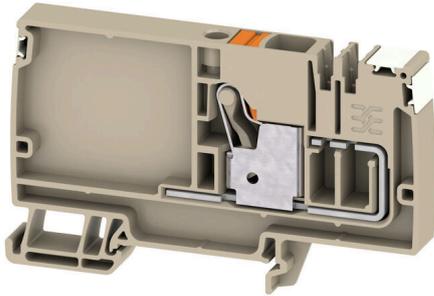
AAP12 10 LO DL OR**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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 ² , 800 V, 57 A, dark beige
Order No.	2675430000
Type	AAP12 10 LO DL OR
GTIN (EAN)	4050118733624
Qty.	20 items

AAP12 10 LO DL OR

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

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	53.5 mm	Depth (inches)	2.1063 inch
Depth including DIN rail	54 mm	Height	89 mm
Height (inches)	3.5039 inch	Width	10 mm
Width (inches)	0.3937 inch	Net weight	24.02 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	dark beige
UL 94 flammability rating	V-0		

Rating data IECEX/ATEX

Certificate No. (ATEX)	TUEV17ATEX8030U	Certificate No. (IECEX)	IECEXTUR17.0015U
Max. voltage (ATEX)	690 V	Current (ATEX)	45 A
Wire cross section max. (ATEX)	10 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	45 A	Wire cross section max. (IECEX)	10 mm ²
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 potentials	1
Number of levels	1	Number of clamping points per level	1
Number of potentials per tier	1	Levels cross-connected internally	No
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

AAP12 10 LO DL OR

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

www.weidmueller.com

Technical data

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A6		
Wire connection cross section AWG, max.	AWG 6		
Stripping length	18 mm		
Type of connection 2	PUSH IN		
Type of connection	PUSH IN		
Number of connections	1		
Clamping range, max.	16 mm ²		
Clamping range, min.	0.5 mm ²		
Blade size	1.0 x 5.5 mm		
Wire connection cross section AWG, min.	AWG 20		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 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, max.	10 mm ²		
Wire connection cross section, finely stranded, min.	0.5 mm ²		
Connection cross-section, stranded, max.	16 mm ²		
Connection cross-section, stranded, min.	0.5 mm ²		
Twin wire-end ferrules, max.	4 mm ²		
Twin wire-end ferrules, min.	0.5 mm ²		
Wire connection cross-section, solid core, max.	10 mm ²		
Wire connection cross-section, solid core, min.	0.5 mm ²		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	18 mm
	Cross-section for conductor connection	min.	1.5 mm ²
		max.	4 mm ²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	6 mm ²
max.		10 mm ²	
Tube length for twin wire-end ferrule	Tube length	nominal	18 mm
	Cross-section for conductor connection	min.	0.75 mm ²
		max.	1 mm ²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	1.5 mm ²
		max.	4 mm ²
	Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal
Cross-section for conductor connection		min.	1.5 mm ²
		max.	10 mm ²

AAP12 10 LO DL OR

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

www.weidmueller.com

Technical data

General

Number of poles	1	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		

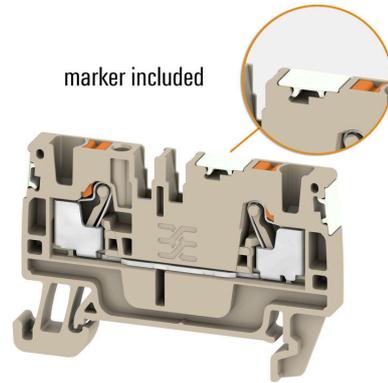
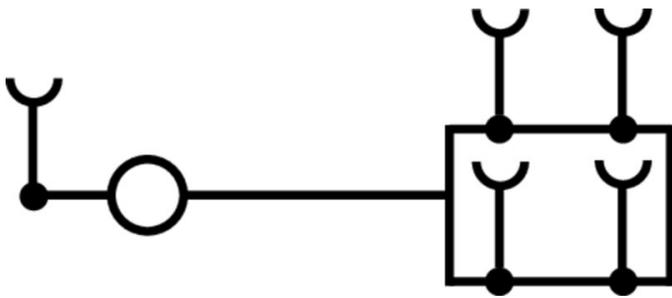
Rating data

Rated cross-section	10 mm ²	Rated voltage	800 V
Rated AC voltage	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
Rated impulse withstand voltage	8 kV	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	27-25-01-19
ECLASS 15.0	27-25-01-19		

Drawings



AAP12 10 LO DL OR

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

www.weidmueller.com

Accessories

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.



General ordering data

Type	AAM 10 YE FLASH	Version
Order No.	2635580000	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.	2661280000	A-series, End bracket
GTIN (EAN)	4050118702163	
Qty.	20 ST	
Type	AEB 35 SCL/1 V0 BK	Version
Order No.	2661300000	A-series, End bracket
GTIN (EAN)	4050118702187	
Qty.	20 ST	
Type	AEB 35 SCL/1 V0 GY	Version
Order No.	2661290000	A-series, End bracket
GTIN (EAN)	4050118702170	
Qty.	20 ST	

AAP12 10 LO DL OR

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

Accessories

www.weidmueller.com

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

General ordering data

Type	WS-A 8/10 MM WS	Version	
Order No.	2619890000	WS, Terminal marker, 8 x 10 mm, Weidmueller, white	
GTIN (EAN)	4050118626193		
Qty.	350 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.	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		