AAP12 10 LO DL BL/OR

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 mm², 800 V, 57 A, blue
Order No.	2675450000
Type	AAP12 10 LO DL BL/OR
GTIN (EAN)	4050118733631
Qty.	20 items

AAP12 10 LO DL BL/OR

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	24.2 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	blue
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 mm²	Max. voltage (IECEX)	690 V
Current (IECEX)	45 A	Wire cross section max. (IECEX)	10 mm²
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

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Technical data

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A6
Wire connection cross section AWG, max.	AWG 6
Connection direction	top
Stripping length	18 mm
Type of connection 2	PUSH IN
Type of connection	PUSH IN
Number of connections	1
Clamping range, max.	16 mm²
Clamping range, min.	0.5 mm²
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 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.	10 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.	10 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²
Connection cross-section, stranded, max.	16 mm²
Connection cross-section, stranded, min.	0.5 mm²
Twin wire-end ferrules, max.	4 mm²
Twin wire-end ferrules, min.	0.5 mm²
Wire connection cross-section, solid core, max.	10 mm²
Wire connection cross-section, solid core, min.	0.5 mm²

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 mm²
		max.	4 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	6 mm²
		max.	10 mm²
Tube length for twin wire-end ferrule	Tube length	nominal	18 mm
	Cross-section for conductor connection	min.	0.75 mm²
		max.	1 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	4 mm²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	18 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	10 mm²

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Technical data

General

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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 mm²	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		
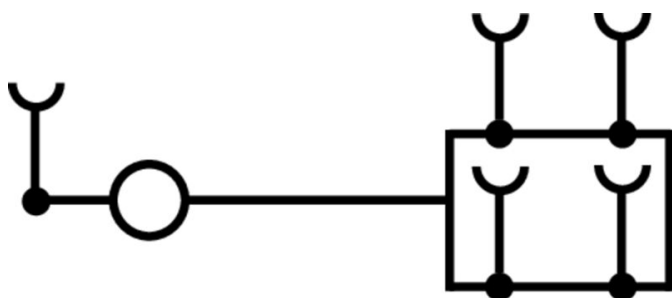
AAP12 10 LO DL BL/OR

Drawings

marker included

AAP12 10 LO DL BL/OR
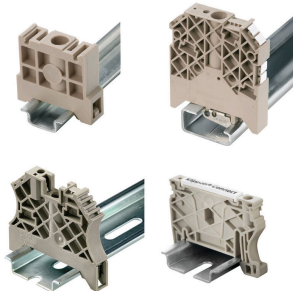
Accessories

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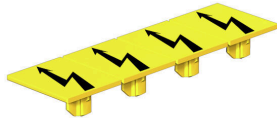
Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

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		

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Accessories

WS 8/10
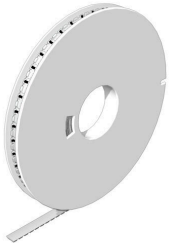
WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate 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 mm², Number of connections: 2,	
GTIN (EAN)	4008190026080	Number of poles: 1, Width: 9 mm	
Qty.	20 ST		