

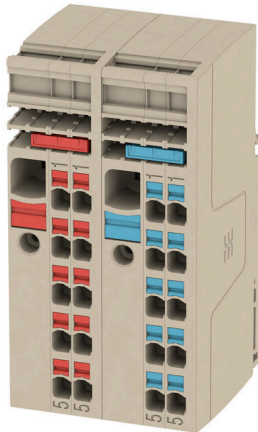
**SET AAP12 10/2.5/10C****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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	Modular distribution terminals, PUSH IN, 10 mm <sup>2</sup> , 800 V, 48 A, dark beige
Order No.	<a href="#">2506350000</a>
Type	SET AAP12 10/2.5/10C
GTIN (EAN)	4050118520736
Qty.	1 items

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## 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	45.2 mm
Width (inches)	1.7795 inch	Net weight	107.35 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
Colour of operational elements	red	UL 94 flammability rating	V-0

### Rating data IECEx/ATEX

Marking EN 60079-7	Ex ec II C Gc	Ex 2014/34/EU label	II 2 G D
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### System specifications

End cover plate required	No	Number of potentials	1
Number of levels	1	Number of clamping points per level	10
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35
N-function	No	PE function	No
PEN function	No		

### Additional technical data

Open sides	right	Type of fixing	Snap-on
Installation advice	Rail	Explosion-tested version	Yes
Type of mounting	TS 35		

### Conductors for clamping (additional connection)

Connection direction additional connection	top	Clamping range, further connection, max.	2.5 mm <sup>2</sup>
Clamping range, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>

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Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible, further 0.5 mm <sup>2</sup> connection, min.	
Rated cross-section, further connection	2.5 mm <sup>2</sup>	Blade size, additional connection	0.6 x 3.5 mm
Cross-section for connected wire, multi-core, further connection, min.	0.5 mm <sup>2</sup>	Cross-section for connected wire, multi-core, further connection, max.	2.5 mm <sup>2</sup>
Cross-section for connected wire, AWG, additional connection, min.	AWG 28	Cross-section for connected wire, solid-core, further connection, min.	0.5 mm <sup>2</sup>
Cross-section for connected wire, solid-core, further connection, max.	2.5 mm <sup>2</sup>	Connection type, additional connection	PUSH IN
Cross-section for connected wire, flexible, further connection, max.	2.5 mm <sup>2</sup>	Cross-section for connected wire, AWG, additional connection, max.	AWG 12
Stripping length , additional connection	10 mm		

**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	2		
Clamping range, max.	16 mm <sup>2</sup>		
Clamping range, min.	0.5 mm <sup>2</sup>		
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 <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>		
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 <sup>2</sup>
		max.	4 mm <sup>2</sup>
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	6 mm <sup>2</sup>
		max.	10 mm <sup>2</sup>

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Tube length for twin wire-end ferrule	Tube length	nominal	18 mm
	Cross-section for conductor connection	min.	0.75 mm <sup>2</sup>
		max.	1 mm <sup>2</sup>
	Tube length	min.	12 mm
max.		18 mm	
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>
		max.	4 mm <sup>2</sup>
	Tube length	nominal	18 mm
		min.	1.5 mm <sup>2</sup>
	max.	10 mm <sup>2</sup>	

### General

Number of poles	6	Wire connection cross section AWG, max.	AWG 6
Installation advice	Rail	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 DC voltage	800 V	Nominal current	48 A
Current at maximum wires	48 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	Pollution severity	3

### Classifications

ETIM 8.0	EC001284	ETIM 9.0	EC001284
ETIM 10.0	EC001284	ECLASS 14.0	27-14-11-06
ECLASS 15.0	27-14-11-06		

Drawings

