

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

Klingenbergstraße 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	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 pc(s).

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## Technical data

## Dimensions and weights

Depth	53.5 mm	Depth (inches)	2.106 inch
Depth including DIN rail	54 mm	Height	89 mm
Height (inches)	3.504 inch	Width	45.2 mm
Width (inches)	1.78 inch	Net weight	107.347 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	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	Rail	TS 35
N-function	No	PE function	No
PEN function	No		

## Additional technical data

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

## Conductors for clamping (additional connection)

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

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## Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm		
Clamping range, max.	10 mm <sup>2</sup>		
Clamping range, min.	0.5 mm <sup>2</sup>		
Connection cross-section, stranded, max.	10 mm <sup>2</sup>		
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>		
Connection direction	top		
Gauge to IEC 60947-1	A6		
Number of connections	2		
Stripping length	18 mm		
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	max.	18 mm
		min.	12 mm
	Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>
		max.	4 mm <sup>2</sup>
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>
		max.	4 mm <sup>2</sup>
	Tube length	min.	18 mm
		max.	10 mm <sup>2</sup>
	Cross-section for conductor connection	min.	6 mm <sup>2</sup>
		max.	10 mm <sup>2</sup>
	Tube length	max.	18 mm
		min.	12 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.	10 mm <sup>2</sup>
	Tube length	nominal	18 mm
Twin wire-end ferrules, max.	4 mm <sup>2</sup>		
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>		
Type of connection	PUSH IN		
Wire connection cross section AWG, max.	AWG 6		
Wire connection cross section AWG, min.	AWG 20		
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>		
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 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, solid core, max.	10 mm <sup>2</sup>		
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>		

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## Technical data

## General

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

## Rating data

Rated cross-section	10 mm <sup>2</sup>	Rated voltage	800 V
Rated DC voltage	800 V	Rated 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 6.0	EC001284	ETIM 7.0	EC001284
ETIM 8.0	EC001284	ETIM 9.0	EC001284
ECLASS 9.0	27-14-11-06	ECLASS 9.1	27-14-11-06
ECLASS 10.0	27-14-11-06	ECLASS 11.0	27-14-11-06
ECLASS 12.0	27-14-11-06	ECLASS 13.0	27-14-11-06

## Approvals

Approvals



## Downloads

Approval/Certificate/Document of Conformity	<a href="#">DE PT0205 20180316 015 ISSUE01.pdf</a> <a href="#">DNVGL certificate</a> <a href="#">UKCA declaration of conformity</a> <a href="#">Confirmation of Standards EN 45545-2_2020-10</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a> <a href="#">User Manual AXC 1.5-16</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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# Drawings

