

**SET AAP13 6/1.5/24C****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

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**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. With the alternating design of the control voltage distribution, both potentials are located on only one terminal block.

**General ordering data**

Version	Modular distribution terminals, PUSH IN, 6 mm <sup>2</sup> , 250 V, 41 A, dark beige
Order No.	<a href="#">2506380000</a>
Type	SET AAP13 6/1.5/24C
GTIN (EAN)	4050118520767
Qty.	1 pc(s).

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## Technical data

### Dimensions and weights

Depth	47 mm	Depth (inches)	1.85 inch
Depth including DIN rail	48 mm	Height	96 mm
Height (inches)	3.78 inch	Width	38.5 mm
Width (inches)	1.516 inch	Net weight	104.63 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, blue	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	2
Number of levels	1	Number of clamping points per level	50
Number of potentials per tier	2	Levels cross-connected internally	No
PE connection	No	Rail	TS 35
N-function	Yes	PE function	No
PEN function	No		

### Additional technical data

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	0.4 x 2.0 mm	Clamping range, further connection, max.	1.5 mm
Clamping range, further connection, min.	0.14 mm	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	1 mm
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm	Conductor cross-section, flexible, further connection, min.	0.5 mm
Connection direction	top	Connection type, additional connection	PUSH IN
Cross-section for connected wire, AWG, additional connection, max.	AWG 14	Cross-section for connected wire, AWG, additional connection, min.	AWG 26
Cross-section for connected wire, flexible, further connection, max.	1.5 mm	Cross-section for connected wire, multi-core, further connection, max.	1.5 mm
Cross-section for connected wire, multi-core, further connection, min.	0.5 mm	Cross-section for connected wire, solid-core, further connection, max.	1.5 mm
Cross-section for connected wire, solid-core, further connection, min.	0.5 mm	Rated cross-section, further connection	1.5 mm
Stripping length, additional connection	8 mm		

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Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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## Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm		
Clamping range, max.	6 mm <sup>2</sup>		
Clamping range, min.	0.34 mm <sup>2</sup>		
Connection cross-section, stranded, max.	6 mm <sup>2</sup>		
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>		
Connection direction	top		
Gauge to IEC 60947-1	A5		
Number of connections	1		
Stripping length	12 mm		
Tube length for twin wire-end ferrule	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	0.5 mm <sup>2</sup>
	Tube length	min.	10 mm
		max.	18 mm
Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>	
Tube length	min.	12 mm	
	max.	18 mm	
Cross-section for conductor connection	min.	1 mm <sup>2</sup>	
	max.	1.5 mm <sup>2</sup>	
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
		max.	1 mm <sup>2</sup>
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	2.5 mm <sup>2</sup>
	Tube length	min.	12 mm
		max.	18 mm
Cross-section for conductor connection	min.	4 mm <sup>2</sup>	
	max.	6 mm <sup>2</sup>	
Tube length	min.	10 mm	
	max.	18 mm	
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
		max.	1 mm <sup>2</sup>
	Tube length	nominal	10 mm
	Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>
		max.	2.5 mm <sup>2</sup>
	Tube length	min.	10 mm
		max.	18 mm <sup>2</sup>
	Cross-section for conductor connection	nominal	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>	
Tube length	min.	10 mm	
	max.	18 mm	
Twin wire-end ferrules, max.	1.5 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 8		
Wire connection cross section AWG, min.	AWG 22		

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Wire connection cross section, finely stranded, max.	6 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.	6 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.	6 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.	6 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

## General

Installation advice	Rail	Rail	TS 35
Standards	In accordance with IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 22		

## Rating data

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	250 V
Rated current	41 A	Current at maximum wires	41 A
Standards	In accordance with IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.78 mΩ
Rated impulse withstand voltage	4 kV	Power loss in accordance with IEC 60947-7-x	1.31 W
Pollution severity	3	Surge voltage category	III

## Classifications

ETIM 6.0	EC001284	ETIM 7.0	EC001284
ETIM 8.0	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

## Approvals

Approvals



**Data sheet**

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**Technical data**

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DE PT0205 20180316 017 ISSUE01.pdf</a> <a href="#">DNVGL certificate</a> <a href="#">UKCA declaration of conformity</a>	
Engineering Data	<a href="#">CAD data – STEP</a>	
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a> <a href="#">BPZL AXC 1.5-16</a>	
Catalogues	<a href="#">Catalogues in PDF-format</a>	