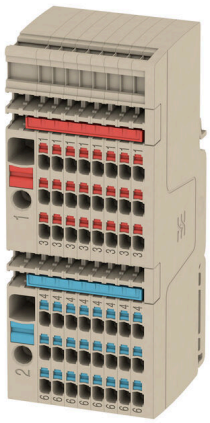
Data sheet

SET AAP13 6/1.5/24C

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. 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 mm², 250 V, 41 A, dark beige
Order No.	2506380000
Type	SET AAP13 6/1.5/24C
GTIN (EAN)	4050118520767
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	47 mm	Depth (inches)	1.8504 inch
Depth including DIN rail	48 mm	Height	96 mm
Height (inches)	3.7795 inch	Width	38.5 mm
Width (inches)	1.5157 inch	Net weight	104.63 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, 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

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	Mounting rail	TS 35
N-function	Yes	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.	1.5 mm²
Clamping range, further connection, min.	0.14 mm²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	1 mm²

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Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm²	Conductor cross-section, flexible, further connection, min.	0.5 mm²
Rated cross-section, further connection	1.5 mm²	Blade size, additional connection	0.4 x 2.0 mm
Cross-section for connected wire, multi-core, further connection, min.	0.5 mm²	Cross-section for connected wire, multi-core, further connection, max.	1.5 mm²
Cross-section for connected wire, AWG, additional connection, min.	AWG 26	Cross-section for connected wire, solid-core, further connection, min.	0.5 mm²
Cross-section for connected wire, solid-core, further connection, max.	1.5 mm²	Connection type, additional connection	PUSH IN
Cross-section for connected wire, flexible, further connection, max.	1.5 mm²	Cross-section for connected wire, AWG, additional connection, max.	AWG 14
Stripping length , additional connection	8 mm		

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5		
Wire connection cross section AWG, max.	AWG 8		
Connection direction	top		
Stripping length	12 mm		
Type of connection 2	PUSH IN		
Type of connection	PUSH IN		
Number of connections	1		
Clamping range, max.	6 mm²		
Clamping range, min.	0.34 mm²		
Blade size	1.0 x 5.5 mm		
Wire connection cross section AWG, min.	AWG 22		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 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.	6 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.	6 mm²		
Wire connection cross section, finely stranded, min.	0.5 mm²		
Connection cross-section, stranded, max.	6 mm²		
Connection cross-section, stranded, min.	0.5 mm²		
Twin wire-end ferrules, max.	1.5 mm²		
Twin wire-end ferrules, min.	0.5 mm²		
Wire connection cross-section, solid core, max.	6 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.	10 mm
		max.	12 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	1.5 mm²

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	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	2.5 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	min.	4 mm²
		max.	6 mm²
Tube length for twin wire-end ferrule	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	0.75 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	1 mm²
		max.	1.5 mm²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	10 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	min.	10 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	2.5 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	4 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	min.	6 mm²
		max.	10 mm²

General

Number of poles	9	Wire connection cross section AWG, max.	AWG 8
Installation advice	Rail	Wire connection cross section AWG, min.	AWG 22
Standards	In accordance with IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	6 mm²	Rated voltage	250 V
Rated DC voltage	250 V	Nominal 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	Surge voltage category	III
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		

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Drawings