

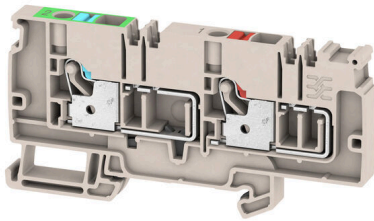
AAP13 6 FE-LO**Weidmüller Interface GmbH & Co. KG**

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	Supply terminal, PUSH IN, 6 mm ² , 250 V, 41 A, dark beige
Order No.	1988270000
Type	AAP13 6 FE-LO
GTIN (EAN)	4050118372885
Qty.	20 items

AAP13 6 FE-LO

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

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	8.1 mm
Width (inches)	0.3189 inch	Net weight	28.18 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

Certificate No. (ATEX)	TUEV17ATEX8030U	Certificate No. (IECEX)	IECEXTUR17.0015U
Max. voltage (ATEX)	220 V	Current (ATEX)	33 A
Wire cross section max. (ATEX)	6 mm ²	Max. voltage (IECEX)	220 V
Current (IECEX)	33 A	Wire cross section max. (IECEX)	6 mm ²
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	2
Number of levels	1	Number of clamping points per level	2
Number of potentials per tier	2	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35
N-function	No	PE function	No
PEN function	No		

Additional technical data

With snap-in pegs	No	Open sides	right
Snap-on	No	Type of fixing	Snap-on

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Installation advice	Rail	Explosion-tested version	Yes
Type of mounting	TS 35		

CSA rating data

Conductor size Factory wiring min. (CSA)	22 AWG	Conductor size Field wiring max. (CSA)	8 AWG
Wire cross section max. (CSA)	8 AWG	Voltage size C (CSA)	150 V
Current size C (CSA)	36 A	Certificate No. (CSA)	200039-70089609
Voltage size B (CSA)	150 V	Conductor size Factory wiring max. (CSA)	8 AWG
Conductor size Field wiring min. (CSA)	22 AWG	Current size B (CSA)	36 A
Wire cross section min. (CSA)	22 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN
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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	PUSH IN		
Number of connections	2		
Clamping range, max.	6 mm ²		
Clamping range, min.	0.34 mm ²		
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 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.34 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.34 mm ²		
Wire connection cross section, finely stranded, max.	6 mm ²		
Wire connection cross section, finely stranded, min.	0.34 mm ²		
Connection cross-section, stranded, max.	6 mm ²		
Connection cross-section, stranded, min.	0.34 mm ²		
Twin wire-end ferrules, max.	1.5 mm ²		
Twin wire-end ferrules, min.	0.5 mm ²		
Wire connection cross-section, solid core, max.	6 mm ²		
Wire connection cross-section, solid core, min.	0.34 mm ²		
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 mm ²
		max.	1 mm ²

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Technical data

	Tube length	min.	10 mm	
		max.	18 mm	
	Cross-section for conductor connection	nominal	1.5 mm ²	
	Tube length	min.	12 mm	
		max.	18 mm	
	Cross-section for conductor connection	nominal	2.5 mm ²	
	Tube length	min.	10 mm	
		max.	18 mm	
	Cross-section for conductor connection	min.	4 mm ²	
		max.	6 mm ²	
	Tube length for twin wire-end ferrule	Tube length	min.	10 mm
			max.	12 mm
Cross-section for conductor connection		nominal	0.5 mm ²	
Tube length		min.	10 mm	
		max.	18 mm	
Cross-section for conductor connection		nominal	0.75 mm ²	
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	min.	12 mm	
		max.	18 mm	
	Cross-section for conductor connection	min.	1 mm ²	
		max.	1.5 mm ²	
	Tube length	nominal	10 mm	
	Cross-section for conductor connection	min.	0.5 mm ²	
		max.	1 mm ²	
	Tube length	min.	10 mm	
	Cross-section for conductor connection	min.	1.5 mm ²	
		max.	2.5 mm ²	
	Tube length	min.	12 mm	
		max.	18 mm	
Cross-section for conductor connection	nominal	4 mm ²		
Tube length	min.	10 mm		
	max.	18 mm		
Cross-section for conductor connection	min.	6 mm ²		
	max.	10 mm ²		

General

Wire connection cross section AWG, max.	AWG 8	Installation advice	Rail
Wire connection cross section AWG, min.	AWG 22	Standards	In accordance with IEC 60947-7-2
Mounting rail	TS 35		

Rating data

Rated cross-section	6 mm ²	Rated voltage	250 V
Rated DC voltage	250 V	Nominal current	41 A
Current at maximum wires	41 A	Standards	In accordance with IEC 60947-7-2
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		

UL rating data

Conductor size Factory wiring max. (cURus)	8 AWG	Voltage size B (cURus)	150 V
Certificate No. (cURus)	E60693	Conductor size Field wiring min. (cURus)	22 AWG

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Conductor size Factory wiring min. (cURus)	22 AWG	Current size B (cURus)	36 A
Voltage size C (cURus)	150 V	Current size C (cURus)	36 A
Conductor size Field wiring max. (cURus)	8 AWG		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

Drawings

