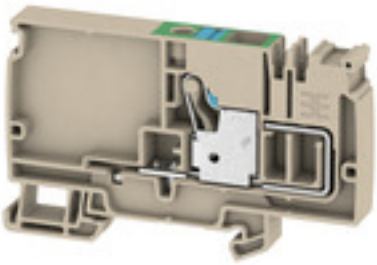
AAP12 10 FE

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	Supply terminal, PUSH IN, 10 mm², 800 V, 57 A, dark beige
Order No.	1988200000
Type	AAP12 10 FE
GTIN (EAN)	4050118372847
Qty.	20 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	10 mm
Width (inches)	0.394 inch	Net weight	30.715 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	blue	UL 94 flammability rating	V-0

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV17ATEX8030U	Certificate No. (IECEX)	IECEXTUR17.0015U
Wire cross section max. (ATEX)	10 mm²	Wire cross section max. (IECEX)	10 mm²
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	1
Number of levels	1	Number of clamping points per level	1
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	Snap-on	No
Type of fixing	Snap-on	Type of mounting	TS 35
With snap-in pegs	No		

CSA rating data

Certificate No. (CSA)	200039-70089609	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Voltage size D (CSA)	600 V
Wire cross section max. (CSA)	6 AWG	Wire cross section min. (CSA)	20 AWG

Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm
Clamping range, max.	10 mm²
Clamping range, min.	0.5 mm²
Connection cross-section, stranded, max.	10 mm²
Connection cross-section, stranded, min.	0.5 mm²

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Technical data

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 mm²
		max.	1 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	4 mm²
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	1.5 mm²
		max.	4 mm²
	Tube length	min.	18 mm
	Cross-section for conductor connection	min.	6 mm²
		max.	10 mm²
	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 mm²
		max.	10 mm²
	Tube length	nominal	18 mm
Twin wire-end ferrules, max.	4 mm²		
Twin wire-end ferrules, min.	0.5 mm²		
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 mm²		
Wire connection cross section, finely stranded, min.	0.5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²		
Wire connection cross-section, solid core, max.	10 mm²		
Wire connection cross-section, solid core, min.	0.5 mm²		

General

Installation advice	Rail	Rail	TS 35
Standards	In accordance with IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 20		

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Technical data

Rating data

Rated cross-section	10 mm²	Rated voltage	800 V
Rated DC voltage	800 V	Rated current	57 A
Standards	In accordance with IEC 60947-7-2	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	Surge voltage category	III

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cU-Rus)	6 AWG
Conductor size Factory wiring min. (cU-Rus)	20 AWG	Conductor size Field wiring max. (cURus)	6 AWG
Conductor size Field wiring min. (cURus)	20 AWG	Voltage size B (cURus)	600 V
Voltage size C (cURus)	600 V	Voltage size D (cURus)	600 V

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-01
ECLASS 14.0	27-25-01-01		

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

Approvals

Approvals

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

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Technical data

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEx Certificate ATEX Certificate CB Test Certificate CB Certificate DNVGL certificate BV certificate CCC Ex Certificate 20-AV4BO-0271U CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Tender specification	Klippon® Connect 1988200000 DE Klippon® Connect 1988200000 EN
User Documentation	NTI AAP12 StorageConditionsTerminalBlocks AAP Terminal Blocks for control voltage distribution User Manual AXC PE
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

