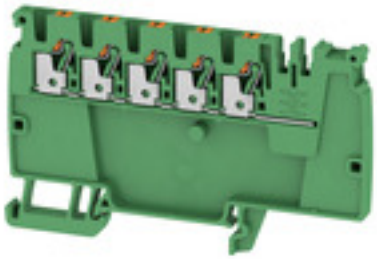
AAP12 2.5 LI GN/OR

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	Modular distribution terminals, PUSH IN, 2.5 mm², 800 V, 24 A, green
Order No.	2614110000
Type	AAP12 2.5 LI GN/OR
GTIN (EAN)	4050118618020
Qty.	50 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	5.1 mm
Width (inches)	0.201 inch	Net weight	12.674 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	green
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV17ATEX8030U	Certificate No. (IECEX)	IECEXTUR17.0015U
Max. voltage (ATEX)	690 V	Current (ATEX)	20 A
Wire cross section max. (ATEX)	2.5 mm²	Max. voltage (IECEX)	690 V
Current (IECEX)	20 A	Wire cross section max. (IECEX)	2.5 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 levels	1
Levels cross-connected internally	No		

Additional technical data

Explosion-tested version	Yes	Installation advice	Rail

Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN

Conductors for clamping (rated connection)

Clamping range, max.	2.5 mm²		
Clamping range, min.	0.14 mm²		
Connection cross-section, stranded, max.	2.5 mm²		
Connection cross-section, stranded, min.	0.5 mm²		
Number of connections	6		
Stripping length	10 mm		
Tube length for twin wire-end ferrule	Cross-section for conductor connection	min.	0.5 mm²
		max.	0.75 mm²
	Tube length	min.	8 mm
		max.	12 mm

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Technical data

Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	8 mm
		max.	6 mm
	Cross-section for conductor connection	min.	0.34 mm²
		max.	0.14 mm²
	Tube length	min.	12 mm
		max.	6 mm
	Cross-section for conductor connection	min.	1 mm²
		max.	0.5 mm²
	Tube length	min.	12 mm
		max.	8 mm
	Cross-section for conductor connection	min.	2.5 mm²
		max.	1.5 mm²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	5 mm
	Cross-section for conductor connection	nominal	0.25 mm²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	min.	7 mm
		max.	12 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	2.5 mm²
Twin wire-end ferrules, max.	0.75 mm²		
Twin wire-end ferrules, min.	0.5 mm²		
Type of connection	PUSH IN		
Wire connection cross section AWG, max.	AWG 12		
Wire connection cross section AWG, min.	AWG 28		
Wire connection cross section, finely stranded, max.	2.5 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.	2.5 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.	2.5 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.	2.5 mm²		
Wire connection cross-section, solid core, min.	0.5 mm²		

General

Installation advice	Rail	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 28

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Technical data

Rating data

Rated cross-section	2.5 mm²	Rated voltage	800 V
Rated voltage to adjoining terminal	800 V	Rated DC voltage	800 V
Rated current	24 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Power loss in accordance with IEC 60947-7-x	0.77 W

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

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEx Certificate ATEX Certificate CB Test Certificate CB Certificate DNVGL 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
User Documentation	NTI AAP12 StorageConditionsTerminalBlocks AAP Terminal Blocks for control voltage distribution User Manual AXC 1.5-16
Catalogues	Catalogues in PDF-format

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Drawings

