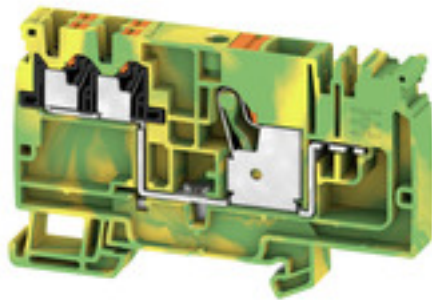


AAP12 10/4X2.5 PE-LI**Weidmüller Interface GmbH & Co. KG**

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, 10 mm², 800 V, 57 A, Green/yellow
Order No.	2464710000
Type	AAP12 10/4X2.5 PE-LI
GTIN (EAN)	4050118479324
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	33.616 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

Material data

Material	Wemid	Colour	Green/yellow
Colour of operational elements	orange	UL 94 flammability rating	V-0

System specifications

End cover plate required	Yes	Number of potentials	1
Number of levels	1	Number of clamping points per level	5
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	Yes	Rail	TS 35
N-function	No	PE function	Yes
PEN function	No		

Additional technical data

Explosion-tested version	Yes	Installation advice	Rail
Open sides	right	Type of fixing	Snap-on
Type of mounting	TS 35		

CSA rating data

Certificate No. (CSA)	200039-70089609	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	28 AWG		

Conductors for clamping (additional connection)

Blade size, additional connection	0.6 x 3.5 mm	Clamping range, further connection, max.	2.5 mm ²
Clamping range, further connection, min.	0.14 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm ²	Conductor cross-section, flexible, further connection, min.	0.5 mm ²
Connection direction	top	Connection type, additional connection	PUSH IN
Cross-section for connected wire, flexible, further connection, max.	2.5 mm ²	Cross-section for connected wire, multi-core, further connection, max.	2.5 mm ²
Cross-section for connected wire, multi-core, further connection, min.	0.5 mm ²	Cross-section for connected wire, solid-core, further connection, max.	2.5 mm ²
Cross-section for connected wire, solid-core, further connection, min.	0.5 mm ²	Number of connections, additional connection	4
Rated cross-section, further connection	2.5 mm ²	Rated current, additional connection	24 A
Stripping length, additional connection	10 mm		

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Technical data

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm		
Clamping range, max.	16 mm ²		
Clamping range, min.	0.5 mm ²		
Connection cross-section, finely stranded, max.	16 mm ²		
Connection cross-section, stranded, max.	16 mm ²		
Connection cross-section, stranded, min.	0.5 mm ²		
Connection direction	top		
Gauge to IEC 60947-1	A6		
Number of connections	1		
Stripping length	18 mm		
Tube length for twin wire-end ferrule	Cross-section for conductor connection	min.	0.75 mm ²
		max.	1 mm ²
	Tube length	nominal	18 mm
	Cross-section for conductor connection	min.	1.5 mm ²
		max.	4 mm ²
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	max.	18 mm
		min.	12 mm
	Cross-section for conductor connection	min.	1.5 mm ²
		max.	4 mm ²
	Tube length	min.	18 mm
		max.	10 mm ²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	max.	18 mm
		min.	12 mm
	Cross-section for conductor connection	min.	1.5 mm ²
		max.	10 mm ²
Twin wire-end ferrules, max.	Tube length	nominal	18 mm
Twin wire-end ferrules, min.	0.5 mm ²		
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 mm ²		
Wire connection cross section, finely stranded, min.	0.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²		
Wire connection cross-section, solid core, max.	10 mm ²		
Wire connection cross-section, solid core, min.	0.5 mm ²		

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Catalogue status 07.06.2025 / We reserve the right to make technical changes.

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Technical data

General

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

Rating data

Rated cross-section	10 mm ²	Rated voltage	800 V
Rated voltage to adjoining terminal	800 V	Rated DC voltage	800 V
Rated current	57 A	Current at maximum wires	57 A
Standards	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		

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	8 AWG
Conductor size Factory wiring min. (cURus)	28 AWG	Conductor size Field wiring max. (cURus)	8 AWG
Conductor size Field wiring min. (cURus)	28 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
ETIM 10.0	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
ECLASS 15.0	27-25-01-01		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Important note

Product information	The applicable safety regulations for the overload and short-circuit of the connected conductors must be followed. The total current of all connected conductors must not exceed the max. load current.
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Technical data

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Downloads

Approval/Certificate/Document of Conformity	DNVGL certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	AAP Terminal Blocks for control voltage distribution User Manual AXC PE
Catalogues	Catalogues in PDF-format

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Drawings

