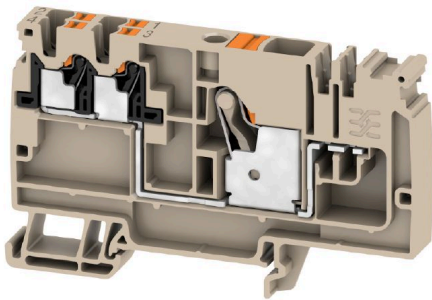


AAP12 10/4X2.5 LO-LI OR

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, 10 mm ² , 800 V, 57 A, dark beige
Order No.	2503890000
Type	AAP12 10/4X2.5 LO-LI OR
GTIN (EAN)	4050118517569
Qty.	20 items

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

Depth	53.5 mm	Depth (inches)	2.1063 inch
Depth including DIN rail	54 mm	Height	89 mm
Height (inches)	3.5039 inch	Width	10 mm
Width (inches)	0.3937 inch	Net weight	31.09 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	orange	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
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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	No	Mounting rail	TS 35
N-function	No	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		

CSA rating data

Wire cross section max. (CSA)	6 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	55 A	Certificate No. (CSA)	200039-70089609
Voltage size B (CSA)	600 V	Current size B (CSA)	55 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A

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Technical data

Wire cross section min. (CSA) 28 AWG

Conductors for clamping (additional connection)

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

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A6
Wire connection cross section AWG, max.	AWG 6
Connection direction	top
Stripping length	18 mm
Type of connection	PUSH IN
Number of connections	1
Clamping range, max.	16 mm ²
Clamping range, min.	0.5 mm ²
Blade size	1.0 x 5.5 mm
Wire connection cross section AWG, min.	AWG 20
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, 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, max.	10 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm ²
Connection cross-section, stranded, max.	16 mm ²
Connection cross-section, stranded, min.	0.5 mm ²
Twin wire-end ferrules, max.	4 mm ²
Twin wire-end ferrules, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	10 mm ²

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Technical data

Wire connection cross-section, solid core, min.	0.5 mm ²		
Connection cross-section, finely stranded, max.	16 mm ²		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	18 mm
	Cross-section for conductor connection	min.	1.5 mm ²
		max.	4 mm ²
	Tube length	min.	12 mm
Tube length for twin wire-end ferrule	Cross-section for conductor connection	min.	6 mm ²
		max.	10 mm ²
	Tube length	nominal	18 mm
	Cross-section for conductor connection	min.	0.75 mm ²
max.		1 mm ²	
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	min.	1.5 mm ²
		max.	4 mm ²
	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 mm ²
		max.	4 mm ²
		nominal	18 mm

General

Wire connection cross section AWG, max.	AWG 6	Installation advice	Rail
Wire connection cross section AWG, min.	AWG 20	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	10 mm ²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	57 A
Current at maximum wires	57 A	Standards	IEC 60947-7-1
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

Conductor size Factory wiring max. (cURus)	6 AWG	Voltage size B (cURus)	600 V
Voltage size D (cURus)	600 V	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	28 AWG	Conductor size Factory wiring min. (cURus)	28 AWG
Current size B (cURus)	55 A	Voltage size C (cURus)	600 V
Current size C (cURus)	55 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	6 AWG		

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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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		

Drawings

