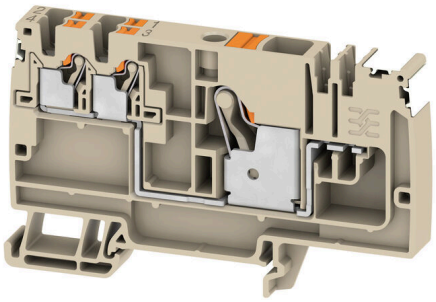
Data sheet

AAP12 10/4X2.5 LO-LI DL OR

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



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, dark beige
Order No.	2675510000
Type	AAP12 10/4X2.5 LO-LI DL OR
GTIN (EAN)	4050118733921
Qty.	20 items

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Technical data

Approvals

Approvals	
ROHS	Conform

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	32.82 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

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

Conductors for clamping (additional connection)

Connection direction additional connection	top	Clamping range, further connection, max.	2.5 mm²
Clamping range, further connection, min.	0.14 mm²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm²

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Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm²	Conductor cross-section, flexible, further connection, min.	0.5 mm²
Number of connections, additional connection	4	Rated cross-section, further connection	2.5 mm²
Blade size, additional connection	0.6 x 3.5 mm	Cross-section for connected wire, multi-core, further connection, min.	0.5 mm²
Cross-section for connected wire, multi-core, further connection, max.	2.5 mm²	Rated current, additional connection	24 A
Cross-section for connected wire, solid-core, further connection, min.	0.5 mm²	Cross-section for connected wire, solid-core, further connection, max.	2.5 mm²
Connection type, additional connection	PUSH IN	Cross-section for connected wire, flexible, further connection, max.	2.5 mm²
Stripping length , additional connection	10 mm		

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A6		
Wire connection cross section AWG, max.	AWG 12		
Connection direction	top		
Stripping length	18 mm		
Type of connection 2	PUSH IN		
Type of connection	PUSH IN		
Number of connections	1		
Clamping range, max.	16 mm²		
Clamping range, min.	0.5 mm²		
Blade size	1.0 x 5.5 mm		
Wire connection cross section AWG, min.	AWG 28		
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, 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, max.	10 mm²		
Wire connection cross section, finely stranded, min.	0.5 mm²		
Connection cross-section, stranded, max.	16 mm²		
Connection cross-section, stranded, min.	0.5 mm²		
Twin wire-end ferrules, max.	4 mm²		
Twin wire-end ferrules, min.	0.5 mm²		
Wire connection cross-section, solid core, max.	10 mm²		
Wire connection cross-section, solid core, min.	0.5 mm²		
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 mm²
		max.	4 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	6 mm²

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Technical data

		max.	10 mm²
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 without plastic collar DIN 46228/1	Tube length	nominal	18 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	10 mm²

General

Number of poles	1	Wire connection cross section AWG, max.	AWG 12
Installation advice	Rail	Wire connection cross section AWG, min.	AWG 28
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	10 mm²	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	Surge voltage category	III
Pollution severity	3		

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.

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-19
ECLASS 15.0	27-25-01-19		

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Drawings