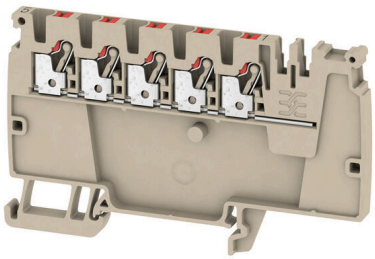
Data sheet

AAP12 2.5 LI RD

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, dark beige
Order No.	1988290000
Type	AAP12 2.5 LI RD
GTIN (EAN)	4050118372779
Qty.	50 items

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Data sheet

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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	5.1 mm
Width (inches)	0.2008 inch	Net weight	12.67 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °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%	
Product Carbon Footprint	Cradle to gate	0.172 kg CO2 eq.

Material data

Basic material	Wemid	Colour	dark beige
Colour of operational elements	red	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 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		

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Additional technical data

With snap-in pegs	No	Open sides	right
Snap-on	No	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)	12 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	20 A	Certificate No. (CSA)	200039-70089609
Voltage size B (CSA)	600 V	Current size B (CSA)	20 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	28 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3
Wire connection cross section AWG, max.	AWG 12
Connection direction	top
Stripping length	10 mm
Type of connection 2	PUSH IN
Type of connection	PUSH IN
Number of connections	5
Clamping range, max.	2.5 mm²
Clamping range, min.	0.14 mm²
Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 28
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.	0.14 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.	0.14 mm²
Wire connection cross section, finely stranded, max.	2.5 mm²
Wire connection cross section, finely stranded, min.	0.14 mm²
Connection cross-section, stranded, max.	2.5 mm²
Connection cross-section, stranded, min.	0.14 mm²
Twin wire-end ferrules, max.	0.75 mm²
Twin wire-end ferrules, min.	0.5 mm²
Wire connection cross-section, solid core, max.	2.5 mm²
Wire connection cross-section, solid core, min.	0.14 mm²

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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 twin wire-end ferrule	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	0.75 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

General

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	2.5 mm²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Surge voltage category	III
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	12 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)	20 A	Voltage size C (cURus)	600 V
Current size C (cURus)	20 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	12 AWG		

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Technical data

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		

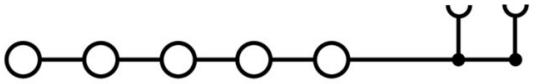
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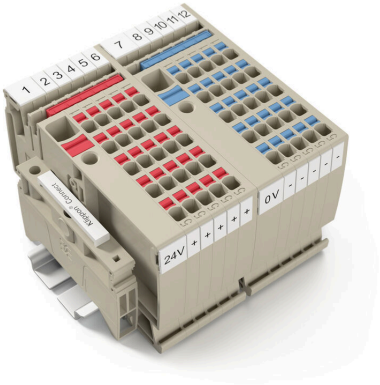
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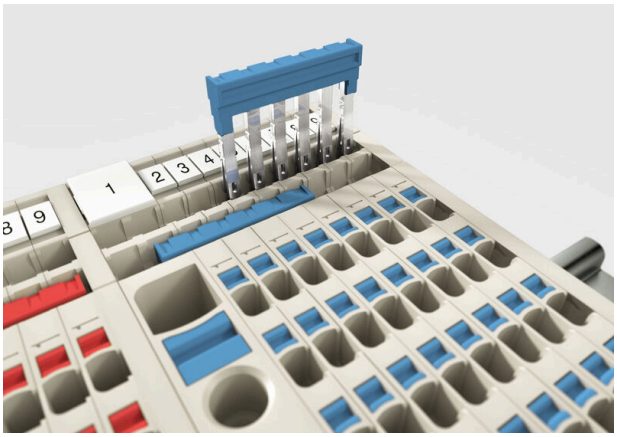
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Drawings









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