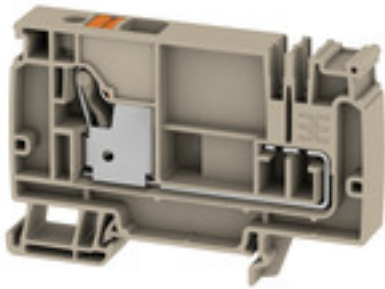


AAP21 10 LO OR**Weidmüller Interface GmbH & Co. KG**

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	Supply terminal, PUSH IN, 10 mm ² , 250 V, 57 A, dark beige
Order No.	2581690000
Type	AAP21 10 LO OR
GTIN (EAN)	4050118590845
Qty.	20 pc(s).

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Technical data

Dimensions and weights

Depth	53.5 mm	Depth (inches)	2.106 inch
Height	82 mm	Height (inches)	3.228 inch
Width	12 mm	Width (inches)	0.472 inch
Net weight	28.54 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	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV17ATEX8063U	Certificate No. (IECEX)	IECEXTUR17.0029U
Max. voltage (ATEX)	250 V	Current (ATEX)	57 A
Wire cross section max. (ATEX)	10 A	Max. voltage (IECEX)	250 V
Current (IECEX)	57 A	Wire cross section max. (IECEX)	10 mm ²
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	Levels cross-connected internally	No
Rail	TS 35		

Additional technical data

Explosion-tested version	Yes	Installation advice	Rail
Open sides	right	Snap-on	No
Type of fixing	Snap-on	Type of mounting	TS 35
With snap-in pegs	No		

CSA rating data

Certificate No. (CSA)	200039-70089609	Current size B (CSA)	51 A
Current size C (CSA)	51 A	Current size D (CSA)	5 A
Voltage size B (CSA)	600 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	20 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm
Clamping range, max.	10 mm ²
Clamping range, min.	0.5 mm ²
Connection cross-section, stranded, max.	10 mm ²

Creation date June 10, 2024 7:42:51 AM CEST

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Technical data

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	Tube length	nominal	18 mm
	Cross-section for conductor connection	min.	0.75 mm ²
		max.	1 mm ²
	Tube length	max.	18 mm
		min.	12 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	Cross-section for conductor connection	min.	1.5 mm ²
		max.	4 mm ²
	Tube length	min.	18 mm
	Cross-section for conductor connection	min.	6 mm ²
		max.	10 mm ²
	Tube length	max.	18 mm
		min.	12 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	min.	1.5 mm ²
		max.	10 mm ²
	Tube length	nominal	18 mm
Twin wire-end ferrules, max.		4 mm ²	
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	

General

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

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Technical data

Rating data

Rated cross-section	10 mm ²	Rated voltage	250 V
Rated DC voltage	250 V	Rated current	57 A
Current at maximum wires	57 A	Standards	In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.56 mΩ	Rated impulse withstand voltage	4 kV
Power loss in accordance with IEC 60947-7-x	1.82 W	Pollution severity	3
Surge voltage category	III		

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	6 AWG
Conductor size Factory wiring min. (cURus)	20 AWG	Conductor size Field wiring max. (cURus)	6 AWG
Conductor size Field wiring min. (cURus)	20 AWG	Current size B (cURus)	51 A
Current size C (cURus)	51 A	Current size D (cURus)	5 A
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
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

Approvals

Approvals



UL File Number Search	UL Website
Certificate No. (cURus)	E60693

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www.weidmueller.com**Technical data****Downloads**

Approval/Certificate/Document of Conformity	ATEX Certificate
	Declaration of Conformity
	Attestation of Conformity
	IECEX Certificate
	DNVGL certificate
	CCC Ex Certificate
	UKCA declaration of conformity
Engineering Data	Confirmation of Standards EN 45545-2_2020-10
	CAD data – STEP
	Klippon® Connect 2581690000 DE
Tender specification	Klippon® Connect 2581690000 EN
User Documentation	NTI AAP 21 10...
	NTI AAP 21 4 FS
	NTI AAP 21 4 DT
	NTI AAP21 4 LI
	StorageConditionsTerminalBlocks
	AAP Terminal Blocks for control voltage distribution
	User Manual AXC 1.5-16
Catalogues	Catalogues in PDF-format

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Drawings

