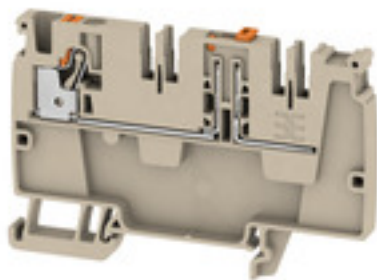


AAP21 4 DT OR**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****Control voltage distribution**

Our tailored AAP potential distribution terminal blocks are ideal for surge current protection and central control voltage distribution. Meanwhile, our new maxGUARD range enables potential distribution with integrated electronic load monitoring in the smallest of installation spaces.

General ordering data

Version	Test-disconnect terminal, PUSH IN, 4 mm ² , 250 V, 20 A, dark beige
Order No.	2581710000
Type	AAP21 4 DT OR
GTIN (EAN)	4050118591637
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	55 mm	Depth (inches)	2.165 inch
Depth including DIN rail	55.5 mm	Height	82 mm
Height (inches)	3.228 inch	Net weight	13.08 g
Width	6.1 mm	Width (inches)	0.24 inch

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)	TUEV16ATEX7939U	Certificate No. (IECEX)	IECEXTUR16.0045U
Max. voltage (ATEX)	250 V	Current (ATEX)	20 A
Wire cross section max. (ATEX)	4 mm ²	Max. voltage (IECEX)	250 V
Current (IECEX)	20 A	Wire cross section max. (IECEX)	4 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
Rail	TS 35		

Additional technical data

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)	20 A
Current size C (CSA)	20 A	Current size D (CSA)	10 A
Voltage size B (CSA)	300 V	Voltage size C (CSA)	150 V
Voltage size D (CSA)	300 V	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm		
Clamping range, max.	4 mm ²		
Clamping range, min.	0.14 mm ²		
Connection cross-section, stranded, max.	4 mm ²		
Connection cross-section, stranded, min.	0.5 mm ²		
Connection direction	top		
Gauge to IEC 60947-1	A4		
Number of connections	1		
Stripping length	12 mm		

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Technical data

Tube length for AEH with plastic collar DIN 46228/4	Tube length	max.	12 mm
		min.	6 mm
	Cross-section for conductor connection	min.	0.5 mm ²
		max.	1 mm ²
	Tube length	max.	12 mm
		min.	8 mm
Tube length for AEH without plastic collar DIN 46228/1	Cross-section for conductor connection	min.	1.5 mm ²
		max.	2.5 mm ²
	Tube length	max.	12 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	4 mm ²
Tube length for twin wire-end ferrule	Tube length	max.	10 mm
		min.	6 mm
	Cross-section for conductor connection	min.	0.5 mm ²
		max.	1 mm ²
	Tube length	max.	12 mm
		min.	7 mm
Twin wire-end ferrules, max.	Cross-section for conductor connection	min.	1.5 mm ²
		max.	2.5 mm ²
	Tube length	max.	15 mm
		min.	9 mm
	Cross-section for conductor connection	nominal	4 mm ²
Twin wire-end ferrules, min.	Tube length	max.	12 mm
Type of connection		min.	8 mm
Wire connection cross section AWG, max.	Cross-section for conductor connection	min.	0.5 mm ²
Wire connection cross section AWG, min.		max.	1.5 mm ²
Wire connection cross section, finely stranded, max.			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 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.	4 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.	4 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 12
Wire connection cross section AWG, min.	AWG 26		

Creation date April 16, 2021 3:40:24 AM CEST

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Technical data

Rating data

Rated cross-section	4 mm ²	Rated voltage	250 V
Rated voltage to adjoining terminal	250 V	Rated current	20 A
Current at maximum wires	20 A	Standards	In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	4 kV
Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3
Surge voltage category	III		

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	10 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Conductor size Field wiring max. (cURus)	10 AWG
Conductor size Field wiring min. (cURus)	26 AWG	Current size B (cURus)	20 A
Current size C (cURus)	20 A	Current size D (cURus)	10 A
Voltage size B (cURus)	300 V	Voltage size C (cURus)	150 V
Voltage size D (cURus)	300 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	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

Approvals

Approvals



UL File Number Search

E60693

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Technical data

Downloads

Approval/Certificate/Document of Conformity	TÜV 16 ATEX 7939 U.pdf
	Declaration of Conformity
	Attestation of Conformity
	IECEX Certificate
	DNVGL certificate
	MARITREG certificate
Engineering Data	CCC Ex Certificate
Engineering Data	STEP
Engineering Data	EPLAN
Tender specification	Klippon® Connect 2581710000 EN
	Klippon® Connect 2581710000 DE
User Documentation	NTI AAP 21 10...
	NTI AAP 21 4 FS
	NTI AAP 21 4 DT
	NTI AAP21 4 LI
	StorageConditionsTerminalBlocks
	PI Klippon AAP DE
	PI Klippon AAP EN
Brochure/Catalogue	Catalogues in PDF-format

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Drawings

