

SET AAP14 10/2.5/10C**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	Modular distribution terminals, PUSH IN, 10 mm ² , 250 V, 57 A, dark beige
Order No.	2506360000
Type	SET AAP14 10/2.5/10C
GTIN (EAN)	4050118520743
Qty.	1 pc(s).

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	53.5 mm	Depth (inches)	2.106 inch
Depth including DIN rail	54 mm	Height	89 mm
Height (inches)	3.504 inch	Net weight	112.17 g
Width	36.5 mm	Width (inches)	1.437 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
Colour of operational elements	blue, red	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	No	Number of potentials	2
Number of levels	1	Number of clamping points per level	10
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Rail	TS 35
N-function	Yes	PE function	No
PEN function	No		

Additional technical data

Installation advice	Rail	Open sides	right
Type of fixing	Snap-on	Type of mounting	TS 35

Conductors for clamping (additional connection)

Blade size, additional connection	0.6 x 3.5 mm	Clamping range, further connection, max.	2.5 mm ²
Clamping range, further connection, min.	0.5 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
Connection direction	top	Connection type, additional connection	PUSH IN
Cross-section for connected wire, AWG, additional connection, max.	AWG 12	Cross-section for connected wire, AWG, additional connection, min.	AWG 28
Cross-section for connected wire, flexible, further connection, max.	2.5 mm ²	Cross-section for connected wire, multi-core, further connection, max.	2.5 mm ²
Cross-section for connected wire, multi-core, further connection, min.	0.5 mm ²	Cross-section for connected wire, solid-core, further connection, max.	2.5 mm ²
Cross-section for connected wire, solid-core, further connection, min.	0.5 mm ²	Rated cross-section, further connection	2.5 mm ²
Stripping length, additional connection	10 mm		

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Technical data

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		
Connection cross-section, stranded, min.	0.5 mm ²		
Connection direction	top		
Gauge to IEC 60947-1	A6		
Number of connections	2		
Stripping length	18 mm		
Tube length for AEH 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
max.		18 mm	
Tube length for AEH 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
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	min.	12 mm
		max.	18 mm
Cross-section for conductor connection	min.	1.5 mm ²	
	max.	4 mm ²	
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 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		

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Technical data

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		

Rating data

Power loss in accordance with IEC 60947-7-x	1.82 W	Rated cross-section	10 mm ²
Rated 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	8 kV
Pollution severity	3		

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



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Approval/Certificate/Document of Conformity	DE_PT0205_20180316_018_ISSUE01.pdf
Engineering Data	STEP
Engineering Data	EPLAN
User Documentation	StorageConditionsTerminalBlocks