A-series
SET AAP12 10/2.5/10C

Weidmüller Interface GmbH & Co. KG
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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

Type	SET AAP12 10/2.5/10C
Order No.	2506350000
Version	Modular distribution terminals, PUSH IN, 10 mm², 800 V, 57 A, dark beige
GTIN (EAN)	4050118520736
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	45.2 mm	Width (inches)	1.78 inch
Height	89 mm	Height (inches)	3.504 inch
Depth	53.5 mm	Depth (inches)	2.106 inch
Depth including DIN rail	54 mm	Net weight	107.347 g

Temperatures

Storage temperature, max.	40 °C	Storage temperature, min.	10 °C
Storage temperature	10 °C...40 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

Material data

Material	Wemid	Colour	dark beige
Colour of operational elements	red	UL 94 flammability rating	V-0

System specifications

End cover plate required	No	Number of potentials	1
Number of levels	1	No. 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	No	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 mm²
Clamping range, further connection, min.	0.5 mm²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm²
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
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 mm²	Cross-section for connected wire, multi-core, further connection, max.	2.5 mm²
Cross-section for connected wire, multi-core, further connection, min.	0.5 mm²	Cross-section for connected wire, solid-core, further connection, max.	2.5 mm²
Cross-section for connected wire, solid-core, further connection, min.	0.5 mm²	Rated cross-section, further connection	2.5 mm²
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 mm²
Clamping range, min.	0.5 mm²	Connection cross-section, stranded, max.	10 mm²
Connection cross-section, stranded, min.	0.5 mm²	Connection direction	top
Gauge to IEC 60947-1	A6	Number of connections	2
Stripping length	18 mm	Twin wire-end ferrules, max.	4 mm²
Twin wire-end ferrules, min.	0.5 mm²	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 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 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, min.	0.5 mm²
Wire connection cross-section, solid core, max.	10 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

Rating data

Rated cross-section	10 mm²	Rated voltage	800 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	eClass 6.2	27-14-11-20
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20

Approvals

Approvals

CE

Downloads

Approval/Certificate/Document of Conformity	DE PT0205 20180316 015 ISSUE01.pdf
Engineering Data	EPLAN
Engineering Data	STEP