

**AAP12 10 LO GN/OR****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

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	10 mm <sup>2</sup> , 800 V, 57 A, green
Order No.	<a href="#">2619410000</a>
Type	AAP12 10 LO GN/OR
GTIN (EAN)	4050118623123
Qty.	20 pc(s).

## AAP12 10 LO GN/OR

Weidmüller Interfaces GmbH &amp; Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmuller.com

www.weidmuller.com

## Technical data

## Dimensions and weights

Depth	53.5 mm	Depth (inches)	2.106 inch
Height	89 mm	Height (inches)	3.504 inch
Width	10 mm	Width (inches)	0.394 inch
Net weight	25.342 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	green
Colour of operational elements	orange	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)	45 A
Wire cross section max. (ATEX)	10 mm <sup>2</sup>	Max. voltage (IECEX)	690 V
Current (IECEX)	45 A	Wire cross section max. (IECEX)	10 mm <sup>2</sup>
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 levels	1
Number of clamping points per level	1	Levels cross-connected internally	No
N-function	No	PE function	No
PEN function	No		

## Additional technical data

Explosion-tested version	Yes	Snap-on	Yes
Type of fixing	TS 35	Type of mounting	TS 35

## Conductors for clamping (rated connection)

Clamping range, max.	10 mm <sup>2</sup>		
Clamping range, min.	0.5 mm <sup>2</sup>		
Connection cross-section, stranded, max.	10 mm <sup>2</sup>		
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>		
Connection direction	top		
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 <sup>2</sup>
		max.	1 mm <sup>2</sup>
Tube length	max.	18 mm	
	min.	12 mm	
Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>	
	max.	4 mm <sup>2</sup>	

## AAP12 10 LO GN/OR

Weidmüller Interfaces GmbH &amp; Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

## Technical data

Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>
		max.	10 mm <sup>2</sup>
	Tube length	min.	18 mm
		max.	18 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>
		max.	10 mm <sup>2</sup>
	Tube length	min.	12 mm
		nominal	18 mm
Twin wire-end ferrules, max.	4 mm <sup>2</sup>		
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>		
Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>		
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>		
Wire connection cross-section, solid core, max.	10 mm <sup>2</sup>		
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>		

## General

Standards	In accordance with IEC 60947-7-1
-----------	----------------------------------

## Rating data

Rated cross-section	10 mm <sup>2</sup>	Rated voltage	800 V
Rated voltage to adjoining terminal	800 V	Rated current	57 A
Standards	In accordance with IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.56 mΩ
Power loss in accordance with IEC 60947-7-x	1.82 W	Pollution severity	3
Surge voltage category	III		

## Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	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

## AAP12 10 LO GN/OR

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

## Technical data

[info@weidmueller.com](mailto:info@weidmueller.com)

[weidmueller.com](http://weidmueller.com)

### Approvals

Approvals



### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">CB Test Certificate</a> <a href="#">CB Certificate</a> <a href="#">DNVGL certificate</a> <a href="#">MARITREG certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">UKCA Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN</a>
User Documentation	<a href="#">NTI AAP12</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">AAP Terminal Blocks for control voltage distribution</a> <a href="#">BPZL AXC 1.5-16</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**AAP12 10 LO GN/OR**

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

**Drawings**

