

**AAC 50-185 2X10 BK-YL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Power feed-in**

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

**General ordering data**

Version	Auxiliary connection (terminal), 10 mm <sup>2</sup> , Number of connections: 2
Order No.	<a href="#">2663450000</a>
Type	AAC 50-185 2X10 BK-YL
GTIN (EAN)	4064675027997
Qty.	5 pc(s).

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## Technical data

## Dimensions and weights

Depth	42.5 mm	Depth (inches)	1.673 inch
Height	50.5 mm	Height (inches)	1.988 inch
Width	20 mm	Width (inches)	0.787 inch
Net weight	30 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	black/yellow
Colour of operational elements	orange	UL 94 flammability rating	V-0

## System specifications

End cover plate required	No	Number of potentials	1
Number of levels	1	Number of clamping points per level	2
Number of potentials per tier	1		

## Additional technical data

Type of fixing	Plugged	Type of mounting	Plug
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## CSA rating data

Certificate No. (CSA)	200039-80069332	Current size B (CSA)	68 A
Current size C (CSA)	68 A	Current size D (CSA)	5 A
Voltage size B (CSA)	1000 V	Voltage size C (CSA)	1000 V
Voltage size D (CSA)	600 V		

## Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	16 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>	Connection cross-section, finely stranded, max.	16 mm <sup>2</sup>
Connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	16 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>	Connection direction	top
Number of connections	2	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 20	Wire connection cross section, finely stranded, max.	16 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.	16 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>		

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## Technical data

## General

Operating temperature range, max.	130 °C	Operating temperature range, min.	-60 °C
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 20

## Rating data

Rated cross-section	10 mm <sup>2</sup>	Rated voltage	1,000 V
Rated AC voltage	1,000 V	Rated DC voltage	1,500 V
Rated current	57 A	Current at maximum wires	57 A
Rated impulse withstand voltage	8 kV	Short-time withstand current resistance	8/20µs with 50 kA
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)	68 A
Current size C (cURus)	68 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	EC002848	ETIM 7.0	EC002848
ETIM 8.0	EC002848	ETIM 9.0	EC002848
ECLASS 9.0	27-14-11-92	ECLASS 9.1	27-14-11-92
ECLASS 10.0	27-14-11-92	ECLASS 11.0	27-14-11-92
ECLASS 12.0	27-14-11-92	ECLASS 13.0	27-25-03-08
ECLASS 14.0	27-25-03-08		

## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

## Approvals

Approvals



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

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">Confirmation of Standards EN 45545-2_2020-10</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">User Manual AAC</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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**Drawings**

