

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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 ² , Number of connections: 2
Order No.	2663420000
Type	AAC 50-185 2X10
GTIN (EAN)	4064675027966
Qty.	5 pc(s).

AAC 50-185 2X10

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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	dark beige
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
----------------	---------	------------------	------

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 ²
Clamping range, min.	0.5 mm ²	Connection cross-section, finely stranded, max.	16 mm ²
Connection cross-section, finely stranded, min.	0.5 mm ²	Connection cross-section, stranded, max.	16 mm ²
Connection cross-section, stranded, min.	0.5 mm ²	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 ²
Wire connection cross section, finely stranded, min.	0.5 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.	16 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

AAC 50-185 2X10

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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 ²	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

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

Approvals

Approvals



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

Downloads

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

AAC 50-185 2X10

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings

