

**AFS 4 2C BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

In some applications it is useful to protect the feed through connection with a separate fuse. Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

**General ordering data**

Version	Fuse terminal, PUSH IN, 4 mm <sup>2</sup> , 400 V, 6.3 A, black
Order No.	<a href="#">2429860000</a>
Type	AFS 4 2C BK
GTIN (EAN)	4050118439717
Qty.	50 pc(s).

## AFS 4 2C BK

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## Technical data

## Dimensions and weights

Depth	68 mm	Depth (inches)	2.677 inch
Depth including DIN rail	69 mm	Height	74 mm
Height (inches)	2.913 inch	Width	6.1 mm
Width (inches)	0.24 inch	Net weight	17.5 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
UL 94 flammability rating	V-0		

## Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV17ATEX8064U	Certificate No. (IECEX)	IECEXTUR17.0030U
Max. voltage (ATEX)	250 V	Current (ATEX)	6.3 A
Wire cross section max. (ATEX)	4 mm <sup>2</sup>	Max. voltage (IECEX)	250 V
Current (IECEX)	6.3 A	Wire cross section max. (IECEX)	4 mm <sup>2</sup>
Marking EN 60079-7	Ex ec II C Gc	Ex 2014/34/EU label	II 3 G D

## System specifications

End cover plate required	Yes	Number of potentials	1
Number of levels	1	Number of clamping points per level	2
Number of potentials per tier	1	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

## Additional technical data

Installation advice	Rail	Open sides	right
Snap-on	No	Type of fixing	Snap-on
Type of mounting	TS 35	With snap-in pegs	No

## CSA rating data

Certificate No. (CSA)	200039-70089609	Current size B (CSA)	10 A
Current size C (CSA)	10 A	Current size D (CSA)	10 A
Voltage size B (CSA)	300 V	Voltage size C (CSA)	150 V
Voltage size D (CSA)	300 V	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	26 AWG		

## Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

## Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, max.	6 mm <sup>2</sup>
Clamping range, min.	0.14 mm <sup>2</sup>

Creation date May 8, 2024 7:58:45 PM CEST

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## Technical data

Connection cross-section, stranded, max.	6 mm <sup>2</sup>		
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>		
Connection direction	top		
Gauge to IEC 60947-1	A4		
Number of connections	2		
Stripping length	12 mm		
Tube length for twin wire-end ferrule	Tube length	max.	12 mm
		min.	8 mm
	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
		max.	1.5 mm <sup>2</sup>
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	max.	12 mm
		min.	6 mm
	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
		max.	1 mm <sup>2</sup>
	Tube length	max.	12 mm
		min.	8 mm
	Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>
		max.	2.5 mm <sup>2</sup>
	Tube length	max.	12 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	4 mm <sup>2</sup>
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	max.	10 mm
		min.	6 mm
	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>
		max.	1 mm <sup>2</sup>
	Tube length	max.	12 mm
		min.	7 mm
	Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>
		max.	2.5 mm <sup>2</sup>
	Tube length	max.	15 mm
		min.	9 mm
	Cross-section for conductor connection	min.	4 mm <sup>2</sup>
		max.	6 mm <sup>2</sup>
Twin wire-end ferrules, max.	1.5 mm <sup>2</sup>		
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>		
Type of connection	PUSH IN		
Type of connection 2	PUSH IN		
Wire connection cross section AWG, max.	AWG 12		
Wire connection cross section AWG, min.	AWG 26		
Wire connection cross section, finely stranded, max.	6 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.	6 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.	4 mm <sup>2</sup>		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>		

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## Technical data

Wire connection cross-section, solid core, max. 4 mm<sup>2</sup>Wire connection cross-section, solid core, min. 0.5 mm<sup>2</sup>

## Fuse terminals

Cartridge fuse G-Si. 5 x 20

Operating voltage, max.

250 V

Power loss for overload and short-circuit protection for an individual arrangement 1,6 W bei 6,3 A @ 31 °C

Power loss for short-circuit protection only for an individual arrangement 4,0 W bei 6,3 A @ 41 °C

Leakage current, max. 0.5 mA

Power loss for overload and short-circuit protection for a composite arrangement 1.6 W at 6.3 A @ 34°C

Power loss for short-circuit protection only for a composite arrangement 2,5 W bei 6,3 A @ 32 °C

## General

Installation advice Rail

Standards

DIN EN 60947-7-3

Rail TS 35

Wire connection cross section AWG, max. AWG 12

Wire connection cross section AWG, min. AWG 26

## Rating data

Rated cross-section 4 mm<sup>2</sup>

Rated voltage to adjoining terminal 500 V

Rated current 6.3 A

Standards

DIN EN 60947-7-3

Rated impulse withstand voltage

4 kV

Pollution severity

3

Rated voltage 400 V

Rated DC voltage 400 V

Current at maximum wires 6.3 A

Volume resistance according to IEC 60947-7-x

1 mΩ

Power loss in accordance with IEC 60947-7-x

1.02 W

Surge voltage category

III

## UL rating data

Certificate No. (cURus)

E60693

Conductor size Factory wiring min. (cURus)

26 AWG

Conductor size Field wiring min. (cURus) 26 AWG

Current size C (cURus)

10 A

Voltage size B (cURus)

300 V

Voltage size D (cURus)

300 V

Conductor size Factory wiring max. (cURus)

10 AWG

Conductor size Field wiring max. (cURus)

10 AWG

Current size B (cURus)

10 A

Current size D (cURus)

10 A

Voltage size C (cURus)

150 V

## Classifications

ETIM 6.0 EC000899

ETIM 8.0 EC000899

ECLASS 9.0 27-14-11-16

ECLASS 10.0 27-14-11-16

ECLASS 12.0 27-14-11-16

ETIM 7.0 EC000899

ETIM 9.0 EC000899

ECLASS 9.1 27-14-11-16

ECLASS 11.0 27-14-11-16

ECLASS 13.0 27-25-01-13

## Important note

Product information

The voltage depends on the selected fuse element or the selected indicator light

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## Technical data

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693
Certificate No. (cURusEX)	E184763

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX_TUR_17.0030U.pdf</a> <a href="#">ATEX Certificate</a> <a href="#">DNVGL certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">CB Testreport</a> <a href="#">CB Certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a> <a href="#">Confirmation of Standards EN 45545-2_2020-10</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Tender specification	<a href="#">Klippon® Connect 2429860000 DE</a> <a href="#">Klippon® Connect 2429860000 EN</a>
User Documentation	<a href="#">NTI_AFS 4 2C BK.pdf</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">User Manual AFS</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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## Drawings

