

**AFS 4 2C 100-250V BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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> , 250 V, 6.3 A, black
Order No.	<a href="#">2434390000</a>
Type	AFS 4 2C 100-250V BK
GTIN (EAN)	4050118445114
Qty.	50 pc(s).

Creation date March 9, 2023 8:20:57 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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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	17.751 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
Current (ATEX)	6.3 A	Wire cross section max. (ATEX)	4 mm <sup>2</sup>
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 (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>
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

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Stripping length	12 mm			
Tube length for twin wire-end ferrule	Tube length	min.	8 mm	
		max.	12 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	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>	
		max.	1 mm <sup>2</sup>	
	Tube length	min.	6 mm	
		max.	12 mm	
	Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>	
		max.	2.5 mm <sup>2</sup>	
	Tube length	min.	8 mm	
		max.	12 mm	
	Cross-section for conductor connection	nominal	4 mm <sup>2</sup>	
		min.	10 mm	
		max.	12 mm	
	Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	min.	6 mm
max.			10 mm	
Cross-section for conductor connection		min.	0.5 mm <sup>2</sup>	
		max.	1 mm <sup>2</sup>	
Tube length		min.	7 mm	
		max.	12 mm	
Cross-section for conductor connection		min.	1.5 mm <sup>2</sup>	
		max.	2.5 mm <sup>2</sup>	
Tube length		min.	9 mm	
		max.	15 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		
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>			
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>			

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## Technical data

## Fuse terminals

Cartridge fuse	G-Si. 5 x 20	Display	Red LED
Leakage current, max.	0.5 mA	Operating voltage, max.	250 V
Power loss for overload and short-circuit protection for a composite arrangement	1.6 W at 6.3 A @ 34°C	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 a composite arrangement	2,5 W bei 6,3 A @ 32 °C	Power loss for short-circuit protection only for an individual arrangement	4,0 W bei 6,3 A @ 41 °C

## General

Installation advice	Rail	Rail	TS 35
Standards	DIN EN 60947-7-3	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	250 V
Rated voltage to adjoining terminal	500 V	Rated current	6.3 A
Current at maximum wires	6.3 A	Standards	DIN EN 60947-7-3
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	4 kV
Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3
Surge voltage category	III		

## UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	10 AWG
Conductor size Factory wiring min. (cURus)	26 AWG	Conductor size Field wiring max. (cURus)	10 AWG
Conductor size Field wiring min. (cURus)	26 AWG	Current size B (cURus)	10 A
Current size C (cURus)	10 A	Current size D (cURus)	10 A
Voltage size B (cURus)	300 V	Voltage size C (cURus)	150 V
Voltage size D (cURus)	300 V		

## Classifications

ETIM 6.0	EC000899	ETIM 7.0	EC000899
ETIM 8.0	EC000899	ECLASS 9.0	27-14-11-16
ECLASS 9.1	27-14-11-16	ECLASS 10.0	27-14-11-16
ECLASS 11.0	27-14-11-16	ECLASS 12.0	27-14-11-16

## 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="#">EAC certificate</a> <a href="#">DNVGL certificate</a> <a href="#">MARITREG 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>
Engineering Data	<a href="#">CAD data – STEP</a>
Tender specification	<a href="#">Klippon® Connect 2434390000 EN</a> <a href="#">Klippon® Connect 2434390000 DE</a>
User Documentation	<a href="#">NTI_AFS 4 2C BK.pdf</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">BPZL AFS</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**Data sheet**

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**Drawings**

