

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 ² , 250 V, 6.3 A, black
Order No.	2434390000
Type	AFS 4 2C 100-250V BK
GTIN (EAN)	4050118445114
Qty.	50 pc(s).

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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 ²
Current (IECEX)	6.3 A	Wire cross section max. (IECEX)	4 mm ²
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 ²
Clamping range, min.	0.14 mm ²
Connection cross-section, stranded, max.	6 mm ²

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Technical data

Connection cross-section, stranded, min. 0.5 mm ²			
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 ²
		max.	1.5 mm ²
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 ²
		max.	1 mm ²
	Tube length	max.	12 mm
		min.	8 mm
	Cross-section for conductor connection	min.	1.5 mm ²
		max.	2.5 mm ²
	Tube length	max.	12 mm
		min.	10 mm
	Cross-section for conductor connection	nominal	4 mm ²
	Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	max.
min.			6 mm
Cross-section for conductor connection		min.	0.5 mm ²
		max.	1 mm ²
Tube length		max.	12 mm
		min.	7 mm
Cross-section for conductor connection		min.	1.5 mm ²
		max.	2.5 mm ²
Tube length		max.	15 mm
		min.	9 mm
Cross-section for conductor connection		min.	4 mm ²
		max.	6 mm ²
Twin wire-end ferrules, max.		1.5 mm ²	
Twin wire-end ferrules, min.		0.5 mm ²	
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 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.		6 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.		4 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.		4 mm ²	

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Wire connection cross-section, solid core, min. 0.5 mm²

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 ²	Rated voltage	250 V
Rated voltage to adjoining terminal	500 V	Rated DC voltage	250 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	ETIM 9.0	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	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	Attestation of Conformity IECEX_TUR_17.0030U.pdf ATEX Certificate DNVGL certificate CCC Ex Certificate CB Testreport CB Certificate CE Declaration of Conformity UKCA declaration of conformity
Engineering Data	CAD data – STEP
Tender specification	Klippon® Connect 2434390000 EN Klippon® Connect 2434390000 DE
User Documentation	NTI_AFS 4 2C BK.pdf StorageConditionsTerminalBlocks User Manual AFS
Catalogues	Catalogues in PDF-format

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Drawings

