

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**Spring connection with PUSH IN Technology**

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

General ordering data

Version	Fuse terminal, PUSH IN, 4 mm ² , 250 V, 6.3 A, black
Order No.	2429860000
Type	AFS 4 2C BK
GTIN (EAN)	4050118439717
Qty.	50 pc(s).

Creation date December 30, 2021 4:24:20 PM CET

Catalogue status 17.12.2021 / 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	17.5 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 ²	Max. voltage (IECEX)	250 V
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 (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, max.	4 mm ²
Clamping range, min.	0.14 mm ²
Connection cross-section, stranded, max.	4 mm ²
Connection cross-section, stranded, min.	0.5 mm ²
Connection direction	top
Gauge to IEC 60947-1	A4

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Number of connections	2			
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 ²	
		max.	1.5 mm ²	
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.5 mm ²	
		max.	1 mm ²	
	Tube length	min.	6 mm	
		max.	12 mm	
	Cross-section for conductor connection	min.	1.5 mm ²	
		max.	2.5 mm ²	
	Tube length	min.	8 mm	
		max.	12 mm	
	Cross-section for conductor connection	nominal	4 mm ²	
		Tube length	min.	10 mm
			max.	12 mm
		Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	min.
max.	10 mm			
Cross-section for conductor connection	min.		0.5 mm ²	
	max.		1 mm ²	
Tube length	min.		7 mm	
	max.		12 mm	
Cross-section for conductor connection	min.	1.5 mm ²		
	max.	2.5 mm ²		
Tube length	min.	9 mm		
	max.	15 mm		
	Cross-section for conductor connection	nominal	4 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			
Wire connection cross section AWG, max.	AWG 12			
Wire connection cross section AWG, min.	AWG 26			
Wire connection cross section, finely stranded, max.	4 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.	4 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			
Wire connection cross-section, solid core, min.	0.5 mm ²			

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Fuse terminals

Cartridge fuse	G-Si. 5 x 20	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 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		

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX_TUR_17.0030U.pdf ATEX Certificate EAC certificate DNVGL certificate MARITREG certificate CCC Ex Certificate CB Testreport CB Certificate CE Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN
Tender specification	Klippon@ Connect 2429860000 DE Klippon@ Connect 2429860000 EN
User Documentation	NTI_AFS 4 2C BK.pdf StorageConditionsTerminalBlocks BPZL AFS
Catalogues	Catalogues in PDF-format

Data sheet

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Drawings

