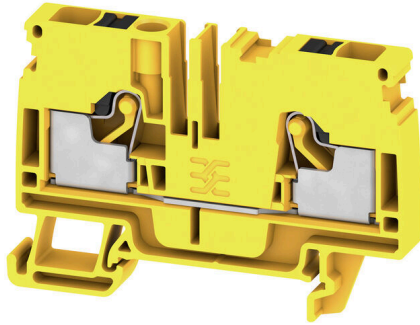


A2C 6 FE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Feed-through terminal, PUSH IN, 6 mm ² , 800 V, 41 A, yellow
Order No.	2978110000
Type	A2C 6 FE
GTIN (EAN)	4099986829572
Qty.	50 items

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	45.5 mm	Depth (inches)	1.7913 inch
Depth including DIN rail	46 mm	Height	66.5 mm
Height (inches)	2.6181 inch	Width	8.1 mm
Width (inches)	0.3189 inch	Net weight	16.37 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	yellow
Colour of operational elements	orange	UL 94 flammability rating	V-0

Rating data IECEx/ATEX

Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D
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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	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35
N-function	No	PE function	No
PEN function	No		

Additional technical data

With snap-in pegs	No	Open sides	right
Snap-on	No	Type of fixing	Snap-on
Explosion-tested version	Yes	Type of mounting	TS 35

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

Conductors for clamping (rated connection)

Gauge to IEC 60947-1 A5

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Technical data

Wire connection cross section AWG, max.	AWG 8	
Connection direction	top	
Stripping length	12 mm	
Type of connection	PUSH IN	
Number of connections	2	
Clamping range, max.	10 mm ²	
Clamping range, min.	0.34 mm ²	
Blade size	1.0 x 5.5 mm	
Wire connection cross section AWG, min.	AWG 22	
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm ²	
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.34 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.	0.34 mm ²	
Wire connection cross section, finely stranded, max.	6 mm ²	
Wire connection cross section, finely stranded, min.	0.34 mm ²	
Connection cross-section, stranded, max.	6 mm ²	
Connection cross-section, stranded, min.	0.34 mm ²	
Twin wire-end ferrules, max.	1.5 mm ²	
Twin wire-end ferrules, min.	0.5 mm ²	
Wire connection cross-section, solid core, max.	6 mm ²	
Wire connection cross-section, solid core, min.	0.34 mm ²	
Connection cross-section, finely stranded, min.	0.34 mm ²	
Tube length for wire-end ferrule with plastic collar acc. to cross-section	Tube length, min.	10 mm
	Tube length, max.	12 mm
	Tube length, min.	10 mm
	Tube length, max.	18 mm
	Tube length, min.	12 mm
	Tube length, max.	18 mm
	Tube length, min.	10 mm
	Tube length, max.	18 mm
Tube length for wire-end ferrule without plastic collar acc. to cross-section	Tube length, min.	10 mm
	Tube length, max.	10 mm
	Tube length, min.	10 mm
	Tube length, max.	18 mm
	Tube length, min.	12 mm
	Tube length, max.	18 mm
	Tube length, min.	10 mm
	Tube length, max.	18 mm
Tube length for twin wire-end ferrule acc. to cross-section	Tube length, min.	10 mm
	Tube length, max.	12 mm
	Tube length, min.	10 mm
	Tube length, max.	18 mm
	Tube length, min.	10 mm
Tube length, max.	18 mm	

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Technical data

General

Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 22
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	6 mm ²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	41 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.78 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.31 mW	Surge voltage category	III
Pollution severity	3		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		