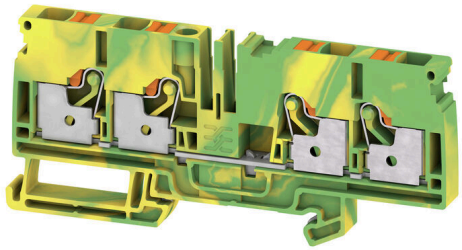
Data sheet

A4C 6 PE

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	PE terminal, PUSH IN, 6 mm², Green/yellow
Order No.	2881490000
Type	A4C 6 PE
GTIN (EAN)	4064675672470
Qty.	50 items

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Technical data

Approvals

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

Dimensions and weights

Depth	45.5 mm	Depth (inches)	1.7913 inch
Height	102 mm	Height (inches)	4.0157 inch
Width	8.1 mm	Width (inches)	0.3189 inch
Net weight	29.34 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	Green/yellow
Colour of operational elements	orange	UL 94 flammability rating	V-0

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV16ATEX7909U	Certificate No. (IECEX)	IECEXTUR16.0036U
Wire cross section max. (ATEX)	6 mm²	Wire cross section max. (IECEX)	6 mm²

System specifications

End cover plate required	Yes	Number of potentials	1
Number of levels	1	Number of clamping points per level	4
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	Yes	Mounting rail	TS 35
N-function	No	PE function	Yes
PEN function	No		

Additional technical data

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

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Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5		
Wire connection cross section AWG, max.	AWG 8		
Connection direction	top		
Stripping length	12 mm		
Type of connection	PUSH IN		
Number of connections	4		
Clamping range, max.	10 mm²		
Clamping range, min.	0.34 mm²		
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 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.34 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.34 mm²		
Wire connection cross section, finely stranded, max.	10 mm²		
Wire connection cross section, finely stranded, min.	0.34 mm²		
Connection cross-section, stranded, max.	6 mm²		
Connection cross-section, stranded, min.	0.34 mm²		
Twin wire-end ferrules, max.	1.5 mm²		
Twin wire-end ferrules, min.	0.5 mm²		
Wire connection cross-section, solid core, max.	6 mm²		
Wire connection cross-section, solid core, min.	0.34 mm²		
Connection cross-section, finely stranded, min.	0.34 mm²		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	1.5 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	2.5 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	min.	4 mm²
		max.	6 mm²
Tube length for twin wire-end ferrule	Tube length	min.	10 mm

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		max.	12 mm
	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	0.75 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	min.	1 mm²
		max.	1.5 mm²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	10 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	min.	10 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	2.5 mm²
	Tube length	min.	12 mm
		max.	18 mm
	Cross-section for conductor connection	nominal	4 mm²
	Tube length	min.	10 mm
		max.	18 mm
	Cross-section for conductor connection	min.	6 mm²
		max.	10 mm²

Tube length for wire-end ferrule with plastic collar acc. to cross-section	Cross-section, min.	0.5 mm²
	Cross-section, max.	1 mm²
	Tube length, min.	10 mm
	Tube length, max.	12 mm
	Cross-section, min.	1.5 mm²
	Cross-section, max.	1.5 mm²
	Tube length, min.	10 mm
	Tube length, max.	18 mm
	Cross-section, min.	2.5 mm²
	Cross-section, max.	2.5 mm²
	Tube length, min.	12 mm
	Tube length, max.	18 mm
	Cross-section, min.	4 mm²
	Cross-section, max.	6 mm²
	Tube length, min.	10 mm
	Tube length, max.	18 mm
Tube length for wire-end ferrule without plastic collar acc. to cross-section	Cross-section, min.	0.5 mm²
	Cross-section, max.	1 mm²
	Tube length, min.	10 mm
	Tube length, max.	10 mm
	Cross-section, min.	1.5 mm²
	Cross-section, max.	2.5 mm²
	Tube length, min.	10 mm
	Tube length, max.	18 mm
	Cross-section, min.	4 mm²
	Cross-section, max.	4 mm²
	Tube length, min.	12 mm
	Tube length, max.	18 mm
	Cross-section, min.	6 mm²
	Cross-section, max.	6 mm²
	Tube length, min.	10 mm
	Tube length, max.	18 mm
Tube length for twin wire-end ferrule acc. to cross-section	Cross-section, min.	0.5 mm²
	Cross-section, max.	0.5 mm²
	Tube length, min.	10 mm
	Tube length, max.	12 mm

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Cross-section, min.	0.75 mm²
Cross-section, max.	0.75 mm²
Tube length, min.	10 mm
Tube length, max.	18 mm
Cross-section, min.	1 mm²
Cross-section, max.	1.5 mm²
Tube length, min.	10 mm
Tube length, max.	18 mm

General

Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 22
Standards	IEC 60947-7-2	Mounting rail	TS 35

Rating data

Rated cross-section	6 mm²	Rated voltage to adjoining terminal	800 V
Rated DC voltage	800 V	Current at maximum wires	41 A
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.78 mΩ
Rated impulse withstand voltage	8 kV	Rated impulse withstand voltage to adjacent terminal	8 kV
Power loss in accordance with IEC 60947-7-x	0.00 W	Surge voltage category	II
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	8 AWG	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	22 AWG	Conductor size Factory wiring min. (cURus)	22 AWG
Conductor size Field wiring max. (cURus)	8 AWG		

Classifications

ETIM 8.0	EC000901	ETIM 9.0	EC000901
ETIM 10.0	EC000901	ECLASS 14.0	27-25-01-03
ECLASS 15.0	27-25-01-03		

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Drawings