Data sheet

S4C 4 BK

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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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 block, SNAP IN, black, 4 mm², 32 A, 1000 V, Number of connections: 4
Order No.	3109560000
Type	S4C 4 BK
GTIN (EAN)	4099987187534
Qty.	50 items

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Technical data

Approvals

Approvals	
UL File Number Search	UL Website
Certificate No. (cURus)	E60693
Certificate No. (cURusEX)	E184763

Dimensions and weights

Depth	41.5 mm	Depth (inches)	1.6339 inch
Height	94 mm	Height (inches)	3.7008 inch
Width	6.1 mm	Width (inches)	0.2402 inch
Net weight	18.52 g		

Temperatures

Storage temperature	-25 °C...55 °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	black
Colour of operational elements	green	UL 94 flammability rating	V-0

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
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection	SNAP IN

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A4
Wire connection cross section AWG, max.	AWG 12
Stripping length	12 mm
Type of connection	SNAP IN

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Number of connections	4	
Clamping range, max.	6 mm²	
Clamping range, min.	0.75 mm²	
Blade size	0.6 x 3.5 mm	
Wire connection cross section AWG, min.	AWG 20	
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm²	
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.75 mm²	
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm²	
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.75 mm²	
Wire connection cross section, finely stranded, max.	6 mm²	
Wire connection cross section, finely stranded, min.	0.75 mm²	
Connection cross-section, stranded, max.	4 mm²	
Connection cross-section, stranded, min.	0.75 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.	0.75 mm²	
Connection cross-section, finely stranded, min.	0.75 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.	8 mm
	Tube length, max.	12 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
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
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

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Tube length, max.	12 mm
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 mm²
Tube length, min.	12 mm
Tube length, max.	18 mm
Cross-section, min.	1.5 mm²
Cross-section, max.	2.5 mm²
Tube length, min.	18 mm
Tube length, max.	18 mm

General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 20
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	4 mm²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	32 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.02 mW	Surge voltage category	III
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	10 AWG	Voltage size B (cURus)	600 V
Voltage size D (cURus)	600 V	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	20 AWG	Conductor size Factory wiring min. (cURus)	20 AWG
Current size B (cURus)	30 A	Voltage size C (cURus)	600 V
Current size C (cURus)	30 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	10 AWG		

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		

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Drawings

