

S3T 2.5**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	Multi-tier modular terminal, SNAP IN, dark beige, 2.5 mm ² , 800 V, Number of connections: 6, Number of levels: 3, TS 35, V-0
Order No.	2902530000
Type	S3T 2.5
GTIN (EAN)	4099986004948
Qty.	50 items

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Technical data

Approvals

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UL File Number Search [UL Website](#)
Certificate No. (cURus) E60693

Dimensions and weights

Depth	64.5 mm	Depth (inches)	2.5394 inch
Height	116 mm	Height (inches)	4.5669 inch
Width	5.1 mm	Width (inches)	0.2008 inch
Net weight	28.73 g		

Temperatures

Storage temperature	55 °C	Ambient temperature	-5 °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	dark beige
Colour of operational elements	orange	UL 94 flammability rating	V-0

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV22ATEX8925U	Certificate No. (IECEX)	IECEXTUR22.0073U
Max. voltage (ATEX)	550 V	Current (ATEX)	20 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	20 A	Wire cross section max. (IECEX)	2.5 mm ²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

End cover plate required	Yes	Number of potentials	3
Number of levels	3	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

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

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Conductors for clamping (additional connection)

Connection type, additional connection SNAP IN

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3	Wire connection cross section AWG, max.	AWG 14
Connection direction	top	Stripping length	10 mm
Type of connection 2	SNAP IN	Type of connection	SNAP IN
Number of connections	6	Clamping range, max.	2.5 mm ²
Clamping range, min.	0.34 mm ²	Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 22	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 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.	2.5 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.	4 mm ²
Wire connection cross section, finely stranded, min.	0.34 mm ²	Connection cross-section, stranded, max.	2.5 mm ²
Connection cross-section, stranded, min.	0.34 mm ²	Wire connection cross-section, solid core, max.	2.5 mm ²
Wire connection cross-section, solid core, min.	0.34 mm ²	Connection cross-section, finely stranded, min.	0.34 mm ²

General

Wire connection cross section AWG, max.	AWG 14	Wire connection cross section AWG, min.	AWG 22
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	22 A
Current at maximum wires	22 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	0.77 mW	Surge voltage category	III
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	12 AWG	Voltage size B (cURus)	600 V
Voltage size D (cURus)	600 V	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	22 AWG	Conductor size Factory wiring min. (cURus)	22 AWG
Current size B (cURus)	20 A	Voltage size C (cURus)	600 V
Current size C (cURus)	20 A	Current size D (cURus)	5 A
Conductor size Field wiring max. (cURus)	12 AWG		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-02

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Technical data

ECLASS 15.0

27-25-01-02

