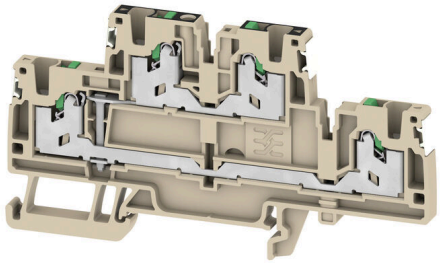
Data sheet

S2T 2.5 VL DL

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 mm², 800 V, Number of connections: 4, Number of levels: 2, TS 35, V-0
Order No.	2902500000
Type	S2T 2.5 VL DL
GTIN (EAN)	4099986004917
Qty.	50 items

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Technical data

Approvals

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

Dimensions and weights

Depth	52 mm	Depth (inches)	2.0472 inch
Height	95 mm	Height (inches)	3.7401 inch
Width	5.1 mm	Width (inches)	0.2008 inch
Net weight	16.33 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temperature, min.	-60 °C	Continuous operating temperature, 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	green	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)	19 A
Wire cross section max. (ATEX)	2.5 mm²	Max. voltage (IECEX)	550 V
Current (IECEX)	19 A	Wire cross section max. (IECEX)	2.5 mm²

System specifications

End cover plate required	Yes	Number of potentials	1
Number of levels	2	Number of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	Yes
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	TS 35	Explosion-tested version	No

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Technical data

Type of mounting	TS 35

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	20 A	Certificate No. (CSA)	227442-80219640
Voltage size B (CSA)	600 V	Current size B (CSA)	20 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	22 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	SNAP IN

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A2	Wire connection cross section AWG, max.	AWG 12
Connection direction	top	Stripping length	10 mm
Type of connection 2	SNAP IN	Type of connection	SNAP IN
Number of connections	4	Conductor cross-section (rated connection), max.	4 mm²
Conductor cross-section (rated connection), min.	0.34 mm²	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 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.	2.5 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.	4 mm²
Wire connection cross section, finely stranded, min.	0.34 mm²	Connection cross-section, stranded, max.	2.5 mm²
Connection cross-section, stranded, min.	0.34 mm²	Twin wire-end ferrules, max.	0.75 mm²
Twin wire-end ferrules, min.	0.5 mm²	Wire connection cross-section, solid core, max.	2.5 mm²
Wire connection cross-section, solid core, min.	0.34 mm²	Connection cross-section, finely stranded (rated connection), min.	0.34 mm²

General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 22
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	2.5 mm²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	22 A
Current at maximum wires	22 A	Standards	IEC 60947-7-1
Contact resistance	1.33 mΩ	Rated impulse withstand voltage	8 kV
Power loss (IEC 60947-7-x)	0.77 W	Surge voltage category	III
Pollution severity	3		

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Technical data

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
ECLASS 15.0	27-25-01-02		

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Drawings

