

SDT 2.5 3C

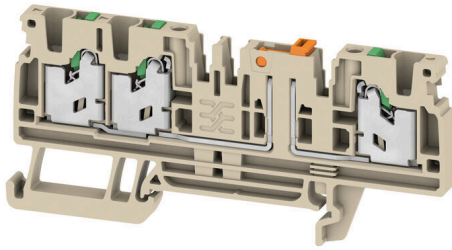
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

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www.weidmueller.com



In some applications it makes sense to add a test point or a disconnect element to the feed through terminal for testing and safety purposes. With test disconnect terminals you measure electric circuits in the absence of voltage. While the disconnecting points clearance and creepage distance is not assessed in dimensional terms, the specified rated impulse voltage strength must be proven.

General ordering data

Version	Test-disconnect terminal, SNAP IN, dark beige, 2.5 mm ² , 24 A, 500 V, Number of connections: 2, Number of levels: 1
Order No.	3016680000
Type	SDT 2.5 3C
GTIN (EAN)	4099986926530
Qty.	50 items

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Technical data

Approvals

Approvals

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

Depth	37.65 mm	Depth (inches)	1.4823 inch
Height	84.5 mm	Height (inches)	3.3268 inch
Width	5.1 mm	Width (inches)	0.2008 inch
Net weight	13.52 g		

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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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)	TUEV24ATEX9191U	Certificate No. (IECEX)	IECEXTUR24.0071U
Max. voltage (ATEX)	550 V	Current (ATEX)	19 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	19 A		

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

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

Conductors for clamping (additional connection)

Connection type, additional connection SNAP IN

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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	2	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	DIN EN 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	24 A
Current at maximum wires	20 A	Standards	DIN EN 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.77 mW	Surge voltage category	III
Pollution severity	3		

UL rating data

Voltage size B (cURus)	300 V	Voltage size D (cURus)	600 V
Wire cross section max. (cURus)	12 AWG	Certificate No. (cURus)	E60693
Wire cross section min. (cURus)	22 AWG	Current size B (cURus)	20 A
Voltage size C (cURus)	300 V	Current size C (cURus)	20 A
Current size D (cURus)	5 A		

Classifications

ETIM 8.0	EC000902	ETIM 9.0	EC000902
ETIM 10.0	EC000902	ECLASS 14.0	27-25-01-09
ECLASS 15.0	27-25-01-09		

Drawings

