WDK 2.5 1D

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

Why not integrating simple electrical functions into a feed through terminal. It has the same slim design of our feed-through terminal blocks - with additional functions such as cross-connections that can be used. Often, you only need a small component to integrate an external device into your automation technology. Our modular terminal blocks with electronic components make this possible; quickly, simply, and with a perfect fit.

General ordering data

Version	Component terminal block, Screw connection, dark beige, 2.5 mm², Number of connections: 4, Number of levels: 2, TS 35, V-0, Wemid
Order No.	8025610000
Type	WDK 2.5 1D
GTIN (EAN)	4008190150495
Qty.	25 pc(s).

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Technical data

Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.461 inch
Depth including DIN rail	63 mm	Height	69 mm
Height (inches)	2.717 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	12.15 g

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, with diode, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of levels	2	Number of clamping points per level	2
Levels cross-connected internally	Yes	PE connection	No
Rail	TS 35	PE function	No
PEN function	No		

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	1.5 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm²
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm²	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm²

Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	right	Type of fixing	when screwed in
Type of mounting	Snap-on		

Component

Component diode	Type diode	1N4007
	Forward current	1 A
	Reverse voltage	1,300 V
	Forward voltage	0.7 V

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Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm²
Clamping range, min.	0.05 mm²	Clamping screw	M 2.5
Connection cross-section, stranded, max.	4 mm²	Connection cross-section, stranded, min.	1.5 mm²
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	4	Stripping length	10 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.4 Nm
Type of connection	Screw connection	Type of connection 2	Screw connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 mm²	Wire connection cross section, finely stranded, min.	0.5 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.	0.5 mm²
Wire connection cross-section, solid core, max.	4 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

Dimensions

TS 35 offset	35.5 mm

General

Number of poles	1	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 26		

Rating data

Rated cross-section	2.5 mm²	Rated DC voltage	400 V
Rated current	0.5 A	Current at maximum wires	0.5 A
Standards	IEC 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 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size B (UR)	20 A
Current size C (UR)	20 A	Voltage size B (UR)	300 V
Voltage size C (UR)	300 V		

Classifications

ETIM 6.0	EC000903	ETIM 7.0	EC000903
ETIM 8.0	EC000903	ETIM 9.0	EC000903
ECLASS 9.0	27-14-11-27	ECLASS 9.1	27-14-11-47
ECLASS 10.0	27-14-11-27	ECLASS 11.0	27-14-11-27
ECLASS 12.0	27-14-11-27	ECLASS 13.0	27-25-01-14
ECLASS 14.0	27-25-01-14		

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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a
REACH SVHC	Lead 7439-92-1
SCIP	a3090896-0f16-410d-aabb-617cfb571002

Important note

Product information	Rated current 10 A only for the continuous currentbar. Components may reduce the rated current and the rated voltage. The permissible continuous operating temperature must be observed. The allowed continuous operating temperature must be observed

Approvals

Approvals

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

Downloads

Approval/Certificate/Document of Conformity	CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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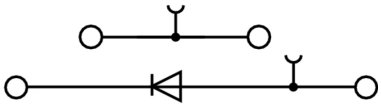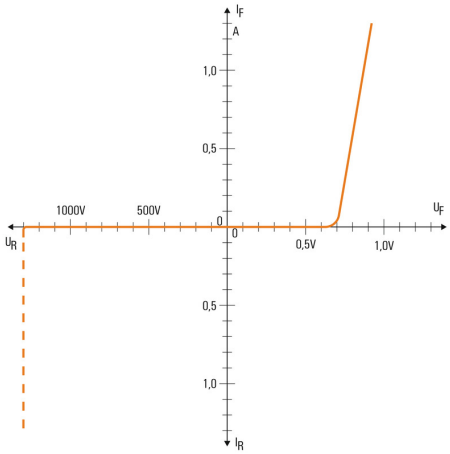
Drawings