W-Series
WDK 2.5/TR-DU-PE/o TNHE

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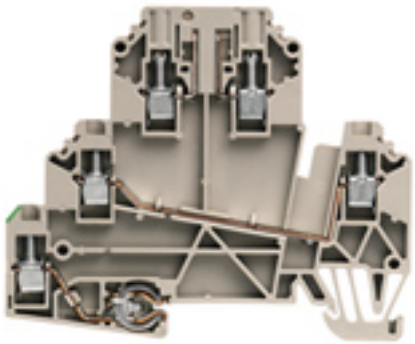

The new space-saving WDK 2.5 DU PE TR series enables you to wire up signal circuits using only one terminal block. The signal can be fed through the upper level of the terminal block so that the lower connection level still has room for the neutral conductor. The accompanying shield connection can save space by connecting to the integrated PE connection. This means that additional PE terminal blocks or other connection mechanisms in the electrical cabinet are no longer required. Depending on the type of signal and requirement, the upper connection level can be fitted with a disconnect lever or pluggable SIHA safety lever. The WDK 2.5 DU PE TR – with a width of only 5.1 mm – currently offers the highest wiring density of all screw terminal blocks for signal routing, and it does this without compromising on versatility or functionality.

General ordering data

Type	WDK 2.5/TR-DU-PE/o TNHE
Order No.	1833640000
Version	W-Series, Test-disconnect terminal, Rated cross-section: 2.5 mm², Screw connection
GTIN (EAN)	4032248991129
Qty.	50 pc(s).

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Technische Daten

Dimensions and weights

Length	80.5 mm	Width	5.1 mm
Height	66 mm	Height of lowest version	67 mm
Net weight	17.66 g		

Temperatures

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

Additional technical data

Explosion-tested version	No	Open sides	right
Type of mounting	Snap-on	Version	Screw connection, With PE connection, One end without connector

CSA ratings data

Certificate No. (CSA)	200039-1057876	Voltage size C (CSA)	300 V
Current size C (CSA)	20 A	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	30 AWG		

Clampable wires (rated connection)

Type of connection	Screw connection	Blade size	0.6 x 3.5 mm
Connection direction	on side	Number of connections	5
Clamping range, rated connection, min.	0.5 mm²	Clamping range, rated connection, max.	4 mm²
Clamping screw	M 3	Tightening torque, min.	0.5 Nm
Tightening torque, max.	0.6 Nm	Gauge to IEC 60947-1	A2
Wire connection cross section, solid core, max. rated connection	0.5 mm²	Wire connection cross section, solid core max. rated connection	4 mm²
Wire connection cross section, stranded, rated connection, min.	1.5 mm²	Wire connection cross section, stranded, rated connection, max.	4 mm²
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, rated connection, min.	0.5 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm²

Disconnect terminals

Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm

Rated data

Rated cross-section	2.5 mm²	Rated voltage	690 V
Rated impulse withstand voltage	8 kV	Rated current	24 A
Pollution severity	3		

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UL ratings data

Certificate No. (UR)	E60693	Voltage size C (UR)	300 V
Current size C (UR)	20 A	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	30 AWG	Conductor size Field wiring max. (UR)	12 AWG

Material data

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

System specifications

Product family	W-Series	Type of connection	Screw connection
Connection direction	on side	Number of levels	2
Number of connections	5	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes		

Classifications

eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20

Approvals

Approvals	
ROHS	Conform