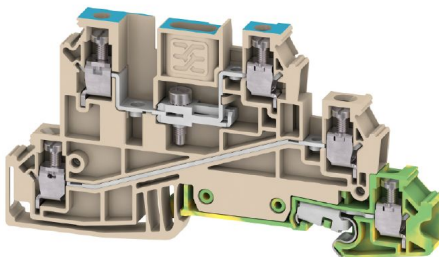


WDL 2.5/NT/L/PE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****General ordering data**

Version	Multi level installation terminal block, Screw connection, dark beige, 2.5 mm ² , 24 A, 400 V, Number of connections: 5, Number of levels: 3
Order No.	1029800000
Type	WDL 2.5/NT/L/PE
GTIN (EAN)	4008190152703
Qty.	50 items

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

Dimensions and weights

Depth	48 mm	Depth (inches)	1.8898 inch
Depth including DIN rail	49 mm	Height	90 mm
Height (inches)	3.5433 inch	Width	6.1 mm
Width (inches)	0.2402 inch	Net weight	19.33 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °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
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, NT, L and PE connection, Spacer, for screwable cross-connection, One end without connector	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	Yes
Mounting rail	TS 35	N-function	Yes
PE function	Yes	PEN function	No

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

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

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Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	12 AWG	Certificate No. (CSA)	12400-296
Voltage size B (CSA)	300 V	Current size B (CSA)	10 A
Voltage size D (CSA)	300 V	Current size D (CSA)	10 A
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3, A4		
Wire connection cross section AWG, max.	AWG 12		
Connection direction	on side		
Tightening torque, max.	0.6 Nm		
Tightening torque, min.	0.4 Nm		
Stripping length	8 mm		
Type of connection 2	Screw connection		
Type of connection	Screw connection		
Number of connections	5		
Clamping range, max.	4 mm ²		
Clamping range, min.	0.13 mm ²		
Clamping screw	M 2.5		
Blade size	0.6 x 3.5 mm		
Wire connection cross section AWG, min.	AWG 26		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 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.	0.13 mm ²		
Wire connection cross section, finely stranded, max.	4 mm ²		
Wire connection cross section, finely stranded, min.	0.13 mm ²		
Connection cross-section, stranded, max.	4 mm ²		
Connection cross-section, stranded, min.	0.13 mm ²		
Torque level with DMS electric screwdriver	1		
Wire connection cross-section, solid core, max.	4 mm ²		
Wire connection cross-section, solid core, min.	0.13 mm ²		
Clampable conductor	Connection specification	Screw connection	
	Cross-section for conductor connection	Type	solid, H05(07) V-U
		min.	0.5 mm ²
		max.	4 mm ²
		nominal	2.5 mm ²

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wire end ferrule	Stripping length	min.	8 mm
		max.	8 mm
		nominal	8 mm
	Tightening torque	min.	0.4 Nm
		max.	0.6 Nm
Connection specification		Screw connection	
Cross-section for conductor connection	Type	stranded, H07V-R	
	min.	1.5 mm ²	
	max.	4 mm ²	
	nominal	2.5 mm ²	
wire end ferrule	Stripping length	min.	8 mm
		max.	8 mm
		nominal	8 mm
	Tightening torque	min.	0.4 Nm
		max.	0.6 Nm
Connection specification		Screw connection	
Cross-section for conductor connection	Type	flexible, H05(07) V-K	
	min.	0.5 mm ²	
	max.	4 mm ²	
	nominal	2.5 mm ²	
wire end ferrule	Stripping length	min.	8 mm
		max.	8 mm
		nominal	8 mm
	Tightening torque	min.	0.4 Nm
		max.	0.6 Nm

General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-1 (-7-2)	Mounting rail	TS 35

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	400 V
Rated DC voltage	400 V	Nominal current	24 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1 (-7-2)
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	4 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Rated voltage (L / L)	400 V
Rated voltage (L / N)	250 V	Rated voltage (L / PE)	250 V
Surge voltage category	III	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	12 AWG	Current size C (UR)	15 A
Voltage size C (UR)	300 V	Conductor size Factory wiring min. (UR)	26 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	22 AWG
Conductor size Field wiring max. (UR)	12 AWG		

Classifications

ETIM 6.0	EC001329	ETIM 7.0	EC001329
ETIM 8.0	EC001329	ETIM 9.0	EC001329
ETIM 10.0	EC001329	ECLASS 9.0	27-14-11-25
ECLASS 9.1	27-14-11-25	ECLASS 10.0	27-14-11-25

Technical data

ECLASS 11.0	27-14-11-25	ECLASS 12.0	27-14-11-25
ECLASS 13.0	27-25-01-10	ECLASS 14.0	27-25-01-10
ECLASS 15.0	27-25-01-10		

Drawings

