

DLD 2.5/PE DB**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

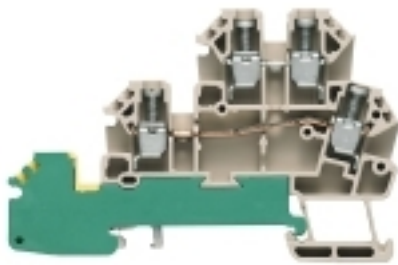
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Product image

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	W-Series, Initiator/actuator terminal, Rated cross-section: 2.5 mm ² , Screw connection
Order No.	1783790000
Type	DLD 2.5/PE DB
GTIN (EAN)	4032248212514
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	48.5 mm	Depth (inches)	1.909 inch
Depth including DIN rail	49 mm	Height	74.5 mm
Height (inches)	2.933 inch	Width	6.1 mm
Width (inches)	0.24 inch	Net weight	15.9 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 PE 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
Rail	TS 35	N-function	No
PE function	Yes	PEN function	No

Additional technical data

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

CSA rating data

Certificate No. (CSA)	12400-280	Current size D (CSA)	10 A
Wire cross section max. (CSA)	12 AWG	Wire cross section min. (CSA)	26 AWG

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.

2.5 mm²

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
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Technical data

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	
	wire end ferrule	Stripping length	min.	7 mm
			max.	7 mm
			nominal	7 mm
		Tightening torque	min.	0.4 Nm
			max.	0.6 Nm
		Recommended wire-end ferrule		
	Connection specification		Screw connection	
	Cross-section for conductor connection	Type	stranded, H07V-R	
		min.	0.5 mm ²	
		max.	4 mm ²	
		nominal	2.5 mm ²	
	wire end ferrule	Stripping length	min.	7 mm
			max.	7 mm
			nominal	7 mm
		Tightening torque	min.	0.4 Nm
			max.	0.6 Nm
		Recommended wire-end ferrule		
	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.	7 mm	
		max.	7 mm	
		nominal	7 mm	
	Tightening torque	min.	0.4 Nm	
		max.	0.6 Nm	
	Recommended wire-end ferrule			
Clamping range, max.		4 mm ²		
Clamping range, min.		0.13 mm ²		
Clamping screw		M 2.5		
Connection cross-section, stranded, max.		4 mm ²		
Connection cross-section, stranded, min.		0.5 mm ²		
Connection direction		on side		
Gauge to IEC 60947-1		A3		
Number of connections		5		
Stripping length		7 mm		
Tightening torque, max.		0.6 Nm		
Tightening torque, min.		0.4 Nm		
Type of connection		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 mm ²		
Wire connection cross section, finely stranded, min.		0.5 mm ²		

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Technical data

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

General

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 mm ²	Rated voltage	250 V
Rated current	17.5 A	Current at maximum wires	17.5 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	2.66 mΩ
Rated impulse withstand voltage	4 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)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size D (UR)	10 A
Voltage size D (UR)	300 V		

Classifications

ETIM 6.0	EC000900	ETIM 7.0	EC000900
ETIM 8.0	EC000900	ECLASS 9.0	27-14-11-28
ECLASS 9.1	27-14-11-28	ECLASS 10.0	27-14-11-28
ECLASS 11.0	27-14-11-28	ECLASS 12.0	27-14-11-28

Approvals

Approvals



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

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Downloads

Approval/Certificate/Document of Conformity	EAC certificate CE Declaration of Conformity CE Declaration of Conformity all terminals UKCA Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

