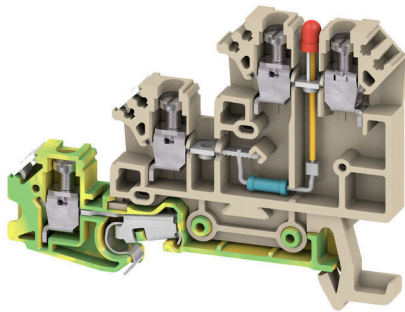


DLA 2.5/LD-RT DB**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

The terminal blocks with DLA and DLI screw connection technology offer compact options for signal wiring. Potentials can be distributed easily and reliably via the cross-connection channels. For signal visualisation, we offer variants with LED display and an optional PE connection.

General ordering data

Version	Initiator/actuator terminal, Screw connection, dark beige, 2.5 mm ² , 17.5 A, 30 V, Number of connections: 3, Number of levels: 3, TS 35
Order No.	1783600000
Type	DLA 2.5/LD-RT DB
GTIN (EAN)	4032248212477
Qty.	50 items

DLA 2.5/LD-RT DB

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

Dimensions and weights

Depth	48.5 mm	Depth (inches)	1.9094 inch
Depth including DIN rail	49 mm	Height	66 mm
Height (inches)	2.5984 inch	Width	6.1 mm
Width (inches)	0.2402 inch	Net weight	11.6 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 with exemption

RoHS Exemption (if applicable/known) 7cl

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, With PE connection, with LED	End cover plate required	Yes
Number of potentials	2	Number of levels	3
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	PE connection	Yes
Mounting rail	TS 35	N-function	No
PE function	Yes	PEN function	No

Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	30 V
Current size C (CSA)	10 A	Certificate No. (CSA)	12400-280
Voltage size B (CSA)	30 V	Current size B (CSA)	10 A
Voltage size D (CSA)	30 V	Current size D (CSA)	10 A
Wire cross section min. (CSA)	26 AWG		

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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)

Gauge to IEC 60947-1	A3
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	7 mm
Type of connection 2	Screw connection
Type of connection	Screw connection
Number of connections	3
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, 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
Connection cross-section, finely stranded, 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	
	wire end ferrule	Stripping length	min.	7 mm
			max.	7 mm
			nominal	7 mm
	Tightening torque	min.	0.4 Nm	
		max.	0.6 Nm	
Connection specification		Screw connection		
Cross-section for conductor connection	Type	stranded, H07V-R		

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		min.	1.5 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
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

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	30 V
Rated DC voltage	30 V	Nominal current	17.5 A
Current at maximum wires	17.5 A	Standards	IEC 60947-7-1 (-7-2)
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	0.8 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	12 AWG	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 8.0	EC000900	ETIM 9.0	EC000900
ETIM 10.0	EC000900	ECLASS 14.0	27-25-01-12
ECLASS 15.0	27-25-01-12		

Drawings

