

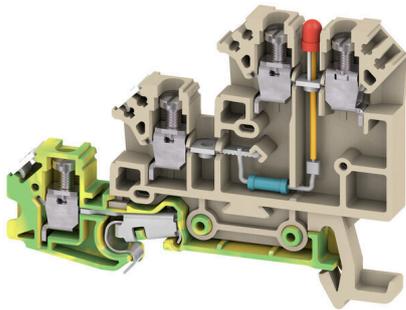
DLA 2.5/LD-RT DB**Weidmüller Interface GmbH & Co. KG**

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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Technical data

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

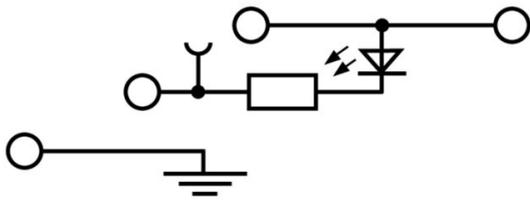
UL rating data

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



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Accessories

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	Q 2 DLI	Version
Order No.	1312500000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of poles: 2, Pitch in mm (P): 6.10, Insulated: No, Width: 11.1 mm
GTIN (EAN)	4008190039837	
Qty.	50 ST	
Type	Q 3 DLI	Version
Order No.	1312600000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of poles: 3, Pitch in mm (P): 6.10, Insulated: No, Width: 17.2 mm
GTIN (EAN)	4008190024604	
Qty.	50 ST	
Type	Q 4 DLI	Version
Order No.	1312700000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of poles: 4, Pitch in mm (P): 6.10, Insulated: No, Width: 23.3 mm
GTIN (EAN)	4008190162122	
Qty.	50 ST	
Type	Q 10 DLI	Version
Order No.	1313100000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of poles: 10, Pitch in mm (P): 6.00, Insulated: No, Width: 59.9 mm
GTIN (EAN)	4008190167622	
Qty.	20 ST	
Type	Q 20 DLI	Version
Order No.	1399800000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of poles: 20, Pitch in mm (P): 5.00, Insulated: No, Width: 120.9 mm
GTIN (EAN)	4008190070670	
Qty.	20 ST	

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	AP DLI2.5 DB	Version
Order No.	1783550000	End plate for terminals, dark beige, Height: 65.65 mm, Width: 1.5 mm, V-0, Wemid, Snap-on: Yes
GTIN (EAN)	4032248189847	
Qty.	20 ST	

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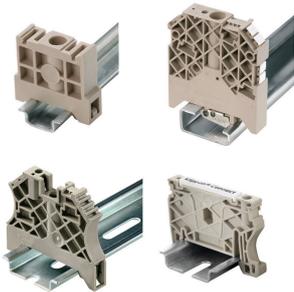
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Accessories

Type	TSCH 1	Version	
Order No.	0319160000	Small partition (terminal), PA 66, beige, Continuous operating temp.,	
GTIN (EAN)	4008190097219	max.: 100 °C	
Qty.	100 ST		

End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	EW 35	Version	
Order No.	0383560000	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C	
GTIN (EAN)	4008190181314		
Qty.	50 ST		

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.6X3.5X100	Version	
Order No.	9008330000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056286		
Qty.	1 ST		

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Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
 - Strips for fast installation
 - Terminal markers, suitable for all Weidmüller cable connectors
 - Available as blank MultiCard or with standard printing
- For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/6 MC NE WS	Version	
Order No.	1609820000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00	
GTIN (EAN)	4008190203436	Weidmueller, white	
Qty.	1000 ST		

Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 WS 10/5	Version	
Order No.	1805490000	Accessories, Marker holder	
GTIN (EAN)	4032248270231		
Qty.	100 ST		
Type	BZT 1 ZA WS 10/5	Version	
Order No.	1805520000	Accessories, Marker holder	
GTIN (EAN)	4032248270248		
Qty.	100 ST		