

**W-Series
DLI 2.5 DB****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

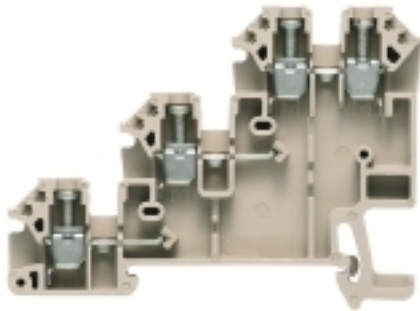
D-32758 Detmold

Germany

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www.weidmueller.com

**Signal wiring**

Tailored and particularly compact: with our AIO initiator/actuator terminal blocks, you are relying on an application-optimised solution for signal wiring. We also offer you other terminal blocks featuring spring and screw connection technology for signal wiring.

General ordering data

Type	DLI 2.5 DB
Order No.	1783820000
Version	W-Series, Initiator/actuator terminal, Rated cross-section: 2.5 mm ² , Screw connection
GTIN (EAN)	4032248211494
Qty.	100 pc(s).

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Technical data
Dimensions and weights

Width	6.1 mm	Width (inches)	0.24 inch
Height	66 mm	Height (inches)	2.598 inch
Depth	48.5 mm	Depth (inches)	1.909 inch
Depth including DIN rail	49 mm	Net weight	9.52 g

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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Material data

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

System specifications

Version	Screw connection, One end without connector	Tightening torque (clamping screw for copper conductors)	0.4...0.6 Nm
End cover plate required	Yes	Number of potentials	3
Number of levels	3	No. of clamping points per level	1
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35
N-function	No	PE function	No
PEN function	No		

Additional technical data

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

CSA rating data

Certificate No. (CSA)	12400-134	Current size C (CSA)	10 A
Voltage size C (CSA)	300 V	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 mm ²
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Technical data
Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, rated connection, max.	4 mm ²
Clamping range, rated connection, min.	0.13 mm ²	Clamping screw	M 2.5
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	4	Stripping length	7 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.4 Nm
Torque level with DMS electric screwdriver	1	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 with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross section, solid core max. rated connection	4 mm ²
Wire connection cross section, solid core, min. rated connection	0.5 mm ²	Wire connection cross section, stranded, rated connection, max.	4 mm ²
Wire connection cross section, stranded, rated connection, min.	1.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²

PE rating data

PEN function	No
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Rating data

Rated cross-section	2.5 mm ²	Rated voltage	250 V
Rated current	24 A	Current at maximum wires	32 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage	4 kV	Pollution severity	3
Surge voltage category	III		

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 3.0	EC000900	ETIM 4.0	EC000900
ETIM 5.0	EC000900	ETIM 6.0	EC000900
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-28
eClass 6.2	27-14-11-28	eClass 7.1	27-14-11-28
eClass 8.1	27-14-11-28	eClass 9.0	27-14-11-28
eClass 9.1	27-14-11-28		

Product information

Descriptive text technical data	Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped.
Descriptive text accessories	StB 8.5 socket in upper busbar (together with PS 2.3 test plug)

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of
Conformity

[DE_PT1004_20160418_160_ISSUE01.pdf](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

Safety note

Safety notice

[Safety Information](#)

Data sheet**W-Series
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Drawings