

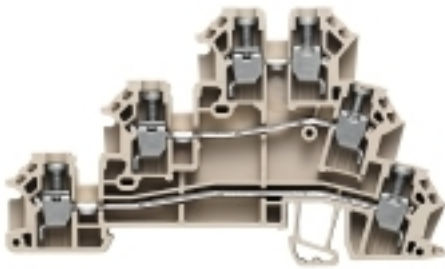
DLD 2.5 DB**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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	Initiator/actuator terminal, Screw connection, 2.5 mm ² , 250 V, 24 A, Number of connections: 6, Number of potentials per tier: 1, dark beige
Order No.	1784180000
Type	DLD 2.5 DB
GTIN (EAN)	4032248189854
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	82.5 mm
Height (inches)	3.248 inch	Width	6.2 mm
Width (inches)	0.244 inch	Net weight	15.84 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, 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	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

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

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

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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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	6			
Stripping length	7 mm			
Tightening torque, max.	0.6 Nm			
Tightening torque, min.	0.4 Nm			
Torque level with DMS electric screw-driver	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, 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 mm ²
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²
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Wire connection cross-section, solid core, max.	4 mm ²
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Wire connection cross-section, solid core, min.	0.5 mm ²
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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 DC voltage	250 V	Rated current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	3.99 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	ETIM 9.0	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	ECLASS 13.0	27-25-01-12

Approvals

Approvals



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

Data sheet**DLD 2.5 DB**

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Technical data**Downloads**

Approval/Certificate/Document of Conformity	CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Engineering Data	Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

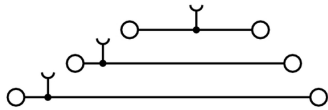
Data sheet

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Drawings



DLD 2.5 DB

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Accessories

2.5 mm²

Numerous national and international approvals and qualifications in accordance with a variety of application standards make the W-series a universal connection solution, especially in harsh conditions. The screw connection has long been an established connection element to meet exacting demands in terms of reliability and functionality. And our W-Series is still setting standards.

General ordering data

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

2.5 mm²

To ensure the finger safety and the compliance to the required clearance and creepage distances, an end plate has to be placed at the end of a plug.

General ordering data

Type	AP DLD2.5 DB	Version
Order No.	1784210000	End plate (terminals), 82.16 mm x 1.5 mm, dark beige
GTIN (EAN)	4032248189878	
Qty.	20 pc(s).	

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Accessories

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.	1,000 pc(s).		

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 pc(s).		

DLD 2.5 DB

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Accessories

WS 8/5

**WS/ DEK**

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	WS 8/5 MM WS	Version
Order No.	2007150000	WS, Terminal marker, 8 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118392029	
Qty.	800 pc(s).	

Blank

WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

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	WS 8/5 MC NE WS	Version
Order No.	1640740000	WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190279103	Allen-Bradley, white
Qty.	720 pc(s).	

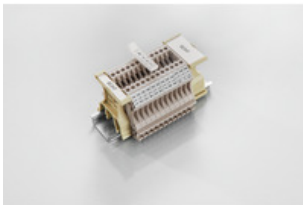
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Accessories

SchT group marker carrier



The SchT 5 S group tag carriers are clipped directly onto the TS 32 mounting rail (G-rail) or the TS 35 mounting rail (top-hat rail). It is therefore possible to label the terminal strip irrespective of the terminal and the type of terminal. SchT 5 and SchT 5 S are fitted with ESO 5, STR 5 protective strips.

The SchT 7 is a hinged group tag carrier for inlay tags which enables easy access to the clamping screw. The SchT 7 is fitted with ESO 7, STR 7 protective strips or DEK 5.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

Type	Version
SCHT 7	SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00
Order No. 0517960000	Weidmueller, white
GTIN (EAN) 4008190001742	
Qty. 20 pc(s).	

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

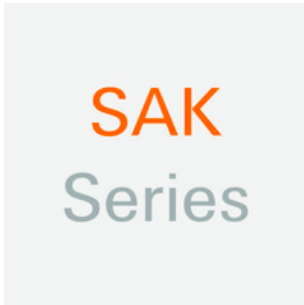
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Accessories

SAK-Series



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, Wemid, beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190181314	
Qty.	50 pc(s).	

1.5 mm²



Numerous national and international approvals and qualifications in accordance with a variety of application standards make the W-series a universal connection solution, especially in harsh conditions. The screw connection has long been an established connection element to meet exacting demands in terms of reliability and functionality. And our W-Series is still setting standards.

General ordering data

Type	VQB 1.5/50 RT	Version
Order No.	1633290000	Cross-connector (terminal), when screwed in, Number of poles: 50,
GTIN (EAN)	4008190257750	Pitch in mm (P): 6.20, Insulated: Yes, 17.5 A, red
Qty.	5 pc(s).	
Type	VQB 1.5/50 SW	Version
Order No.	1635120000	Cross-connector (terminal), when screwed in, Number of poles: 50,
GTIN (EAN)	4008190262761	Pitch in mm (P): 6.20, Insulated: Yes, 17.5 A, black
Qty.	5 pc(s).	
Type	VQB 1.5/50 BL	Version
Order No.	1633280000	Cross-connector (terminal), when screwed in, Number of poles: 50,
GTIN (EAN)	4008190257743	Pitch in mm (P): 6.20, Insulated: Yes, 17.5 A, blue
Qty.	5 pc(s).	