

**WDK 2.5 1D A.1****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload –ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

**General ordering data**

Version	Component terminal block, Screw connection, dark beige, 2.5 mm <sup>2</sup> , 400 V, 400 V, Number of connections: 4, Number of levels: 2, TS 35
Order No.	<a href="#">1023400000</a>
Type	WDK 2.5 1D A.1
GTIN (EAN)	4008190103538
Qty.	25 items

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

## Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.4606 inch
Depth including DIN rail	63 mm	Height	69 mm
Height (inches)	2.7165 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	12.11 g

## Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °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)	7a
REACH SVHC	Lead 7439-92-1
SCIP	a3090896-Of16-410d-aabb-617cfb571002

## Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

## System specifications

Version	Screw connection, with diode, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	2
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	PE connection	No
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

## Additional technical data

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

## CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	1 A	Certificate No. (CSA)	200039-1494105
Wire cross section min. (CSA)	26 AWG		

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## Technical data

## 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	10 mm
Type of connection 2	Screw connection	Type of connection	Screw connection
Number of connections	4	Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.05 mm <sup>2</sup>	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, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.05 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.05 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.05 mm <sup>2</sup>
Connection cross-section, stranded, max.	4 mm <sup>2</sup>	Connection cross-section, stranded, min.	0.05 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.05 mm <sup>2</sup>
Connection cross-section, finely stranded, min.	0.05 mm <sup>2</sup>		

## Dimensions

TS 35 offset	35.5 mm
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## Fuse terminals

Display	Without LED
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## General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-1	Mounting rail	TS 35

## Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	400 V
Rated DC voltage	400 V	Nominal current	0.5 A
Current at maximum wires	0.5 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

## UL rating data

Voltage size B (UR)	300 V	Current size B (UR)	20 A
Conductor size Factory wiring max. (UR)	12 AWG	Current size C (UR)	20 A
Voltage size C (UR)	300 V	Conductor size Factory wiring min. (UR)	22 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	22 AWG
Conductor size Field wiring max. (UR)	12 AWG		

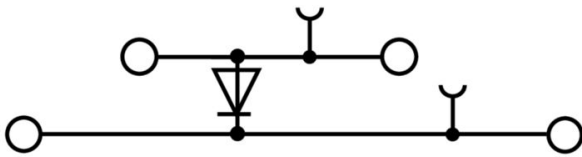
**Technical data****Important note**

Product information      Rated current 10 A only for the continuous currentbar. Components may reduce the rated current and the rated voltage. The permissible continuous operating temperature must be observed. The allowed continuous operating temperature must be observed

**Classifications**

ETIM 8.0	EC000903	ETIM 9.0	EC000903
ETIM 10.0	EC000903	ECLASS 14.0	27-25-01-14
ECLASS 15.0	27-25-01-14		

Drawings



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## Accessories

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## 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	WQV 2.5/2	Version
Order No.	<a href="#">1053660000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190031121	poles: 2, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	50 ST	
Type	WQV 2.5/3	Version
Order No.	<a href="#">1053760000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190058999	poles: 3, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	50 ST	
Type	WQV 2.5/4	Version
Order No.	<a href="#">1053860000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190049706	poles: 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	50 ST	
Type	WQV 2.5/5	Version
Order No.	<a href="#">1053960000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190158446	poles: 5, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/6	Version
Order No.	<a href="#">1054060000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190102272	poles: 6, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/7	Version
Order No.	<a href="#">1054160000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190011246	poles: 7, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/8	Version
Order No.	<a href="#">1054260000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190073572	poles: 8, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/10	Version
Order No.	<a href="#">1054460000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190135089	poles: 10, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	20 ST	
Type	WQV 2.5/15	Version
Order No.	<a href="#">1059660000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190002411	poles: 15, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/30	Version
Order No.	<a href="#">1067500000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190031107	poles: 30, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	

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## Accessories

Type	WQV 2.5/20	Version
Order No.	<a href="#">1577570000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190125868	poles: 20, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	
Type	WQV 2.5/32	Version
Order No.	<a href="#">1577600000</a>	Cross-connector (terminal), when screwed in, yellow, 32 A, Number of
GTIN (EAN)	4008190154035	poles: 32, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7 mm
Qty.	10 ST	

## End plates and partition plates

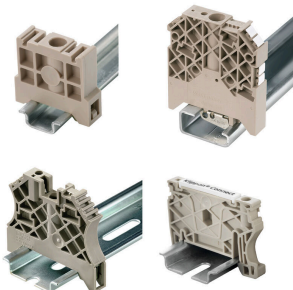


Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row 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	WAP WDK2.5	Version
Order No.	<a href="#">1059100000</a>	End plate for terminals, dark beige, Height: 69 mm, Width: 1.5 mm,
GTIN (EAN)	4008190101954	V-0, Wemid, Snap-on: No
Qty.	20 ST	
Type	WAP WDK2.5 BL	Version
Order No.	<a href="#">1059180000</a>	End plate for terminals, blue, Height: 69 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190081089	Wemid, Snap-on: No
Qty.	20 ST	
Type	WAP WDK2.5 GN	Version
Order No.	<a href="#">1059140000</a>	End plate for terminals, green, Height: 69 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190901790	Wemid, Snap-on: No
Qty.	20 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.	<a href="#">0383560000</a>	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C
GTIN (EAN)	4008190181314	
Qty.	50 ST	

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## Accessories

Type	WEW 35/2	Version	
Order No.	<a href="#">1061200000</a>	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C	
GTIN (EAN)	4008190030230		
Qty.	50 ST		

### Combined screwing and cutting tool "Swifty® CS"



Combined cutting/stripping tool Swifty® CS and Swifty® CS set for crimp-free cutting and stripping of copper cables up to 1.5 mm<sup>2</sup> solid and 2.5 mm<sup>2</sup> flexible.

#### General ordering data

Type	SWIFTY CS	Version	
Order No.	<a href="#">9006020000</a>	Cutting tool for one-hand operation	
GTIN (EAN)	4032248257409		
Qty.	1 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.	<a href="#">9008330000</a>	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056286		
Qty.	1 ST		

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## Accessories

### With lightning flash



The WAD connector marker is suitable for W-series terminals and for the WEW 35/2 and ZEW 35/2 end brackets. The markers are available as blank markers, with custom printing or standard print with lightning symbol. The WAD MultiCard markers are suitable for labelling with PrintJet CONNECT printers. 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	WAD 5 MC B GE/SW	Version	
Order No.	<a href="#">1120450000</a>	Group markers, Cover, 33.3 x 5 mm, Pitch in mm (P): 5.00 WDU 2.5,	
GTIN (EAN)	4032248901272	WEW 35/2, ZEW 35/2, yellow	
Qty.	48 ST		

### 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 5/5 MC NE WS	Version	
Order No.	<a href="#">1609801044</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00	
GTIN (EAN)	4008190397111	Weidmueller, white	
Qty.	1000 ST		
Type	WS 8/5 MC NE WS	Version	
Order No.	<a href="#">1640740000</a>	WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,	
GTIN (EAN)	4008190279103	Allen-Bradley, white	
Qty.	720 ST		

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## Accessories

### Shield clamping saddle



With our wide range of KLBÜ shield connections, you can achieve flexible and self-adjusting shield contacting and ensure error-free plant operation.

#### General ordering data

Type	LS 2.8 WDU2.5-10	Version	
Order No.	<a href="#">1056400000</a>	W-Series, Shield bus	
GTIN (EAN)	4008190036454		
Qty.	100 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.	<a href="#">1805490000</a>	Accessories, Marker holder	
GTIN (EAN)	4032248270231		
Qty.	100 ST		
Type	BZT 1 ZA WS 10/5	Version	
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder	
GTIN (EAN)	4032248270248		
Qty.	100 ST		