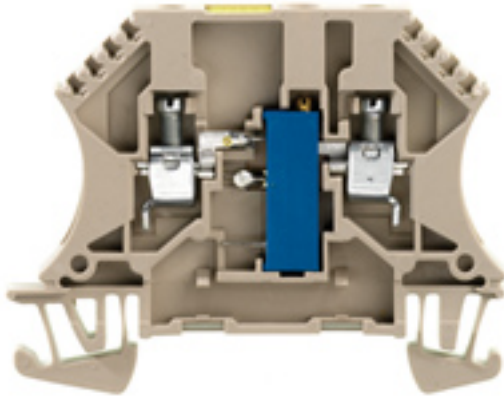


**WDUL 4/500K****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Why not integrating simple electrical functions into a feed through terminal. It has the same slim design of our feed-through terminal blocks - with additional functions such as cross-connections that can be used. Often, you only need a small component to integrate an external device into your automation technology. Our modular terminal blocks with electronic components make this possible; quickly, simply, and with a perfect fit.

**General ordering data**

Version	Component terminal block, Screw connection, dark beige, 4 mm <sup>2</sup> , 250 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, Wemid
Order No.	<a href="#">1028000000</a>
Type	WDUL 4/500K
GTIN (EAN)	4008190121433
Qty.	10 pc(s).

## WDUL 4/500K

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## Technical data

## Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.831 inch
Depth including DIN rail	47 mm	Height	60 mm
Height (inches)	2.362 inch	Width	6.5 mm
Width (inches)	0.256 inch	Net weight	12.7 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, Compensating terminals, With resistor, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
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.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm <sup>2</sup>

## Additional technical data

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

## Component

Component potentiometer	Type potentiometer	Trim potentiometer, linear
	Resistance	500 kΩ
	Tolerance (%)	10 %

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## Technical data

## Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>	Clamping screw	M 3
Connection cross-section, finely stranded, max.	4 mm <sup>2</sup>	Connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Connection cross-section, stranded, max.	6 mm <sup>2</sup>	Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	A4
Number of connections	2	Stripping length	9 mm
Tightening torque, max.	0.8 Nm	Tightening torque, min.	0.6 Nm
Type of connection	Screw connection	Type of connection 2	Screw connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 22
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.5 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.	0.5 mm <sup>2</sup>
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.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	6 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

## Dimensions

TS 35 offset	32 mm
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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 22

## Rating data

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	250 V
Rated current	120 mA	Current at maximum wires	6 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1 mΩ
Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3
Surge voltage category	III		

## Classifications

ETIM 6.0	EC000903	ETIM 7.0	EC000903
ETIM 8.0	EC000903	ETIM 9.0	EC000903
ECLASS 9.0	27-14-11-27	ECLASS 9.1	27-14-11-47
ECLASS 10.0	27-14-11-27	ECLASS 11.0	27-14-11-27
ECLASS 12.0	27-14-11-27	ECLASS 13.0	27-25-01-14
ECLASS 14.0	27-25-01-14		

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
SCIP	c6099607-b1cd-4fc8-8f5b-8c2defa73093
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7cl, 34

**Important note**

Product information	The allowed continuous operating temperature must be observed
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**Approvals**

Approvals



ROHS	Conform
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**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CE Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a> <a href="#">Confirmation of Standards EN 45545-2_2020-10</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

### WDUL 4/500K

**Weidmüller Interface GmbH & Co. KG**

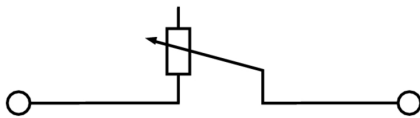
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## Drawings



## WDUL 4/500K

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## Accessories

2.5-10 mm<sup>2</sup>


2.5-10  
mm<sup>2</sup>

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

## General ordering data

Type	WAP 16+35 WTW 2.5-10	Version
Order No.	<a href="#">1050100000</a>	End and partition plate for terminals, dark beige, Height: 56 mm,
GTIN (EAN)	4008190079901	Width: 1.5 mm, V-0, Wemid
Qty.	20 pc(s).	
Type	WAP 2.5-10 GR	Version
Order No.	<a href="#">1050050000</a>	End plate (terminals), grey, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190455484	Wemid
Qty.	50 pc(s).	
Type	WAP 2.5-10 OR	Version
Order No.	<a href="#">1050060000</a>	End plate (terminals), orange, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190406769	Wemid
Qty.	50 pc(s).	
Type	WAP 2.5-10	Version
Order No.	<a href="#">1050000000</a>	End plate (terminals), dark beige, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190103149	Wemid
Qty.	50 pc(s).	
Type	WAP 2.5-10 SW	Version
Order No.	<a href="#">1050010000</a>	End plate (terminals), black, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190406806	Wemid
Qty.	50 pc(s).	
Type	WAP 2.5-10 VI	Version
Order No.	<a href="#">1072210000</a>	End plate (terminals), violet, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190455460	Wemid
Qty.	50 pc(s).	
Type	WAP 2.5-10 RT	Version
Order No.	<a href="#">1050040000</a>	End plate (terminals), red, Height: 56 mm, Width: 1.5 mm, V-0, Wemid
GTIN (EAN)	4008190406783	
Qty.	50 pc(s).	
Type	WAP 2.5-10 BR	Version
Order No.	<a href="#">1050070000</a>	End plate (terminals), brown, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190455507	Wemid
Qty.	50 pc(s).	
Type	WAP 2.5-10 BL	Version
Order No.	<a href="#">1050080000</a>	End plate (terminals), blue, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190136611	Wemid
Qty.	50 pc(s).	
Type	WAP 2.5-10 GE	Version
Order No.	<a href="#">1050020000</a>	End plate (terminals), yellow, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190406776	Wemid
Qty.	50 pc(s).	

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Catalogue status 28.09.2024 / We reserve the right to make technical changes.

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## Accessories

Type	WAP 2.5-10 GN	Version
Order No.	<a href="#">1072200000</a>	End plate (terminals), green, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190455491	Wemid
Qty.	50 pc(s).	
Type	WAP 2.5-10 WS	Version
Order No.	<a href="#">1050090000</a>	End plate (terminals), white, Height: 56 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190406790	Wemid
Qty.	50 pc(s).	

## 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.	<a href="#">0383560000</a>	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C
GTIN (EAN)	4008190181314	
Qty.	50 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

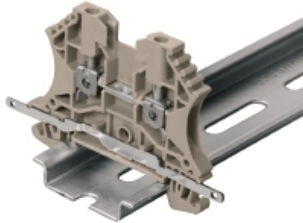
Type	BZT 1 WS 10/5	Version
Order No.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	
Type	BZT 1 ZA WS 10/5	Version
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Shielding connection**

With the LS 2.8 WDU2.5-10, many feed-through modular terminal blocks from the W series can be converted very easily. Inserting the LS 2.8 WDU2.5-10 allows the cable shielding braid to be looped through directly at the terminal block by soldering or using a suitable flat cable lug.

**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 pc(s).	