

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: 9537560000

Manufacturer: Weidmüller

Package: Bulk

Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/weidmüller/9537560000.html>

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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

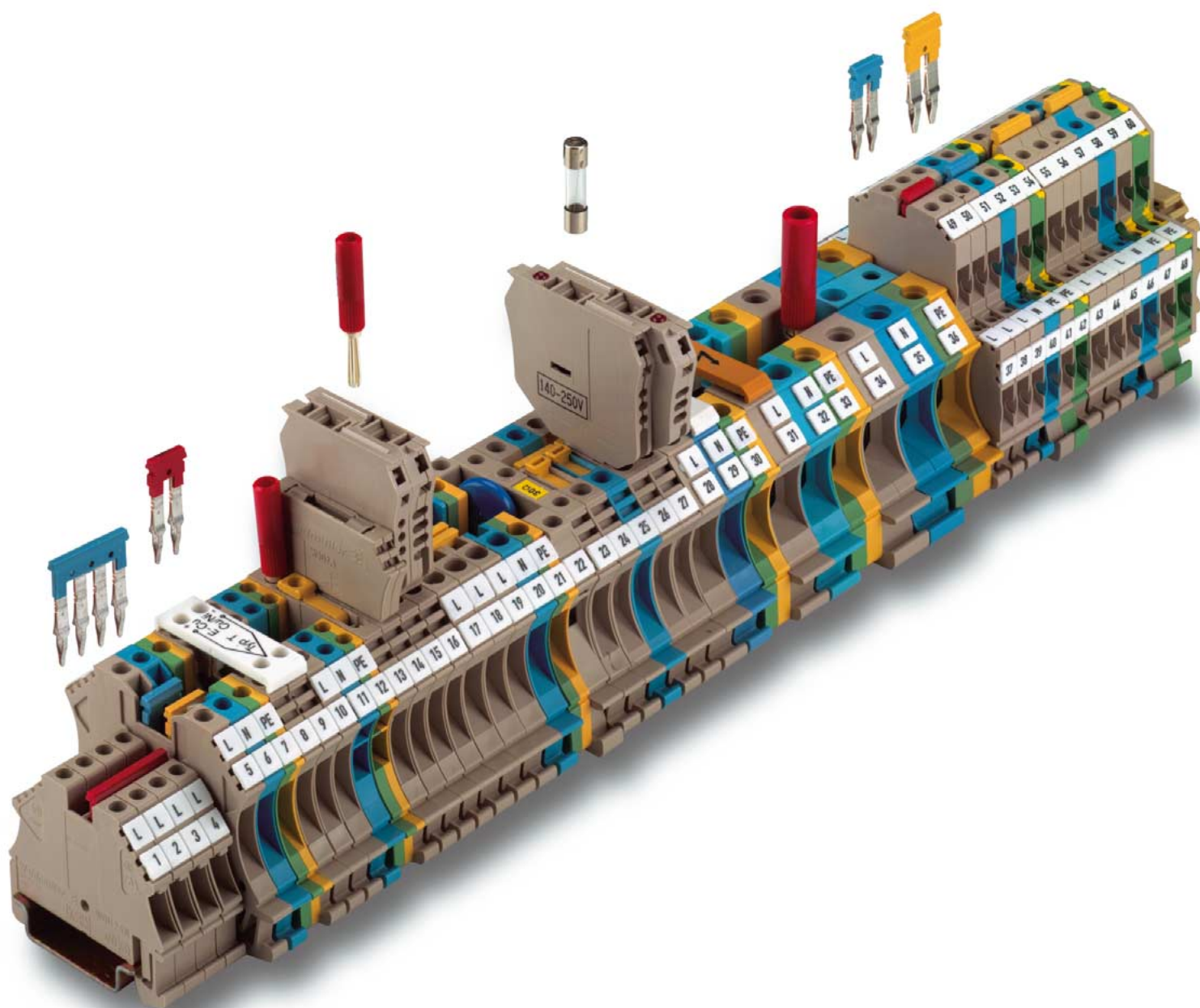
CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.



W-series sets standards!

When it comes to functional perfection even in details, Weidmüller's W-series defines the market standards for many years now!

The W-series comprises products for conductor cross-sections between 1.5 and 300 mm² which can be used for all important electrical applications (connecting, protecting, disconnecting, measuring....). Especially in the following fields the W-series plays a major role:

- Industrial automation
- Building control
- Transport technology
- Process control

Steady progress!

In the range of screw-connection terminals, no other product assortment available on the market has made such consequent improvements and has taken up new developments as the W-series! This success is reflected by our current new developments:

- **WPE 1.5/ R3.5** (prot. conductor terminals) extension of the slimmest product family (3.5 mm) for TS 15 available on the market
- **WDU 4N** (feed-through terminals)
WPE 4N (prot. conductor terminals) Extension of the range of "compact design" terminals, which are especially conceived for confined spaces
- **WDU 10ZR** (feed-through terminals)
WPE 10ZR (prot. conductor terminals) 10 mm² terminal with in total 4 mm² connection for measuring and control applications
- **WDU 240** (feed-through terminals) Acc. to clamping yoke principle for all nominal cross-sections.
WDU 50 / WDU 95 under preparation
- **WF 6-12** (stud terminals) New assortment of single-stud terminals in Wemid (V0) and up to 2300 V
- **ST 4000** (stud terminals) New range of double-stud terminals with a rated voltage of V0 and 4000 V, in particular suitable for railway applications. Weidmüller is the only supplier of stud terminals in the range 0...4000 V.

What is more, all products currently available are continuously improved to fulfill the demands of our customers. Examples:

- **WPE 2.5 / WPE 4**
- **WDK 2.5 F** product range
- **WNT 2.5**

W-series offers advantages

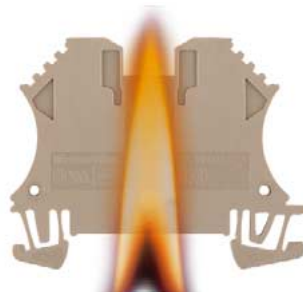
The W-series provides the highest number of advantages compared to all other screw-connection terminals currently available!

1) Easy project planning

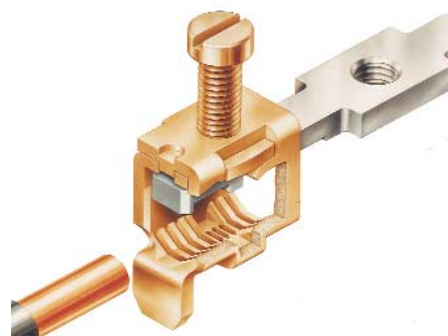
- matching contour dimensions between 1.5 – 16 mm² in standard design
- uniform accessories for different cross-section ranges (WDU 2.5 to WDU 16)
- convenient terminal marking options thanks to two marking systems, WS / DEK
- special design of clamping units for connection of 2 conductors (see chapter "Accessories"/page 311)
- Optional selection between standard design with all features and the space-saving compact design for feed-through terminals

2) Maximum safety level

- Wemid insulating material



- best tracking index - non-tracking CTI 600
- temperature-resistant up to 120 °C - no derating up to 75 °C
- self-extinguishing – V0 according to UL
- no harmful substances
- safe from finger-touch (according to VGB 4)
- Best contact reliability thanks to patented clamping yoke system

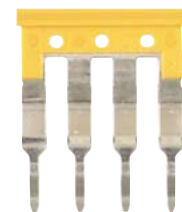


- 2 conductors of the same cross-section can be connected in EEx e
- no ferrules necessary
- large gas-tight contact – low voltage drop
- highly flexible conductors connectable
- high contact force
- 100 % vibration-proof – no retightening of clamping screws required

3) Time-saving potential distribution with pluggable cross-connection system (ZQV)

40 % of all terminals are cross-connected! Weidmüller offers the screw cross-connection system WQV and the pluggable cross-connection system ZQV.

The cross-connection system ZQV can be used for 75 % of all applications (feed-through and double-deck terminals 2.5 and 4 mm², disconnect-test and fuse terminals).



- parallel routing of 2 or 3 potentials (WDU 2.5 and WDU 4)
- easy extension
- coloured marking
- safe from finger-touch (VGB 4)
- faster mounting than screw-type cross-connections

4) Easy mounting

- ergonomic design through recessed grips
- snap-on and removal possible on both sides
- funnel-shaped wire insertion aperture
- no ferrules required
- self-centering on TS 35

5) Convenient testing options

- use of contact-proof test socket screw, partially also for mounted cross-connections WQV
- safe locking on terminal support with test adapter WTA

Feed-through terminals

Compact-Design “N” for low type

Max. technical data

Dimensions / approvals

Width/length/height (mm) with TS 35 x 7.5

Insulation stripping length/clamping screw/screwdriver blade

VDE rated data 0611 Part 1/8.92/IEC 60 947-7-1

Rated voltage/current/cross-section

Rated impulse voltage/pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductors

Solid H07V-U mm²

Stranded H07V-R mm²

Flexible H07V-K mm²

Flexible H07V-K and ferrule acc. to DIN 46 228/1 mm²

Flexible H07V-K and ferrules with plastic insul. collar mm²

Max. clamping range in mm² / gauge pin iaw. 60 947-1 Size

Cont. current of cross-connect. WQV/ZQV 2–5-pole A

Cont. current of cross-connect. WQV/ZQV 6–10-pole A

UL/CSA rated data

Voltage/current/conductor size UL

Voltage/current/conductor size CSA

Ordering data

Version

Dark beige Wemid

Blue Wemid

Orange PA

Block of 10 terminals, print. mark. DEK 5 1–9 Wemid

Block of 10 terminals, unprint. mark. DEK 5 neutral 1–9 Wemid

End plate/partition

Dark beige Wemid

Cross-connection



WQV



ZQV

2-pole

3-pole

4-pole

5...9-pole

10-pole

50-pole



WQB 12/24

Cross-connection comb



LS 2.8

Screening bar

Notching tool

Test adapter



WTA

TA 1

Strain relief

Test plug/socket (safe from finger-contact¹⁾)



PS 2.3

Test plug (ø2.3 mm)

Test plug (ø4.0 mm)



StB 8.5

Test socket screw 8.5 (ø2.3 mm)

Test socket screw 14 (ø4.0 mm)

Covers



With symbol

white

WAD for self-labelling/white

Group marking



WGB



T5

Tag carrier for S 10 markers

Marking tags

Print



DEK



WS

Standard

WS white neutral

WS indiv. printed

WDU 16N



101 A/25 mm²

12/60/47

12 mm/M 4/5.5 x 1.0

690 V/76 A/16 mm²

6 kV/3

1.2...2.4

4

1.5...16

1.5...25 (25 mm with 2.2 Nm)

1.5...16

1.5...16

1.5...16

1.5...25 B 7

76/-

57 (3 + 4-pole)/-

300 V/70 A/14...6 AWG

300 V/45 A/20...8 AWG

Type Cat. No. Qty.

WDU 16N 1036100000 50

WDU 16N BL 1036180000 50

Type Cat. No. Qty.

WTW EX 1058800000 20

WDU 35N



150 A / 50 mm²

16/66/51

18 mm/M 6/5.5 x 1.0

500 V/125 A/35 mm²

6 kV/3

2.5...5.0

Conductor Strips

2.5...16 3 x 9 x 0.8

2.5...50 6 x 9 x 0.8

2.5...35 9 x 9 x 0.8

2.5...35

2.5...35

2.5...50 B 9

115/-

100/-

300 V/10 A/12...2 AWG

300 V/10 A/12...2 AWG

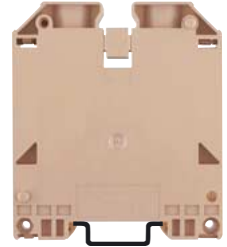
Type Cat. No. Qty.

WDU 35N 1040400000 20

WDU 35N BL 1040480000 20

Type Cat. No. Qty.

WDU 70N



192 A/70 mm²

20.5/75/86

22 mm/M 8/5 6 DIN 6911

1000 V/192 A/70 mm²

8 kV/3

6.0...10

Conductor Strips

10...16 3 x 9 x 0.8

10...95 6 x 9 x 0.8

10...70 9 x 9 x 0.8

10...70

10...70

10...95 B 11

192/-

192 (3-pole)/-

600 V/175 A/6...2/0 AWG

600 V/205 A/8...2/0AWG

Type Cat. No. Qty.

WDU 70 N/35 9512190000 10

WDU 70 N/3 BL 9512420000 10

(WDU 70N only with hexagonal socket)

Type Cat. No. Qty.

¹⁾ Finger-safe StB 1071000000 can be used for WDU 16N

Feed-through terminals

Compact-Design “N” for low type

Max. technical data

Dimensions / approvals

Width/length/height (mm) with TS 35 x 7.5

Insulation stripping length/clamping screw/screwdriver blade

VDE rated data 0611 Part 1/8.92/IEC 60 947-7-1

Rated voltage/current/cross-section

Rated impulse voltage/pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductors

Solid H07V-U mm²

Stranded H07V-R mm²

Flexible H07V-K mm²

Flexible H07V-K and ferrule acc. to DIN 46 228/1 mm²

Flexible H07V-K and ferrules with plastic insul. collar mm²

Max. clamping range in mm² / gauge pin iaw. 60 947-1 Size

Cont. current of cross-connect. WQV/ZQV 2–5-pole A

Cont. current of cross-connect. WQV/ZQV 6–10-pole A

UL/CSA rated data

Voltage/current/conductor size UL

Voltage/current/conductor size CSA

Ordering data

Version

Dark beige Wemid

Blue Wemid

Orange PA

Block of 10 terminals, print. mark. DEK 5 1–9 Wemid

Block of 10 terminals, unprint. mark. DEK 5 neutral 1–9 Wemid

End plate/partition



WAP (thickness 1.5 mm) WTW

Cross-connection



ZQV



WQB 12/24



LS 2.8

Test adapter



TA 1

Marking tags

Print



DEK

DEK Standard

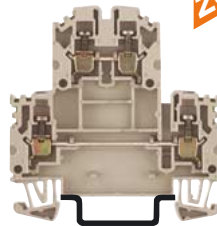
WS white neutral

WS indiv. printed

Mounting rails, end brackets, further marking materials see “Accessories”

¹⁾ When using the screen plug, rated voltage is reduced to 400 V!

WDK 2.5N



28 A/4 mm²

5/60/62

8 mm/M 2.5/3.5 x 0.6

800 V/24 A/2.5 mm²

8 kV/3

0.4...0.6

1

0.5...4

1.5...4

0.5...4

0.5...2.5

0.5...2.5

0.13...4

A 3

-/24

-/24

600 V/20 A/16...12 AWG

300 V/20 A/26...12 AWG

Type	Cat. No.	Qty.
WDK 2.5N	1041600000	100
WDK 2.5N	1041680000	100
WDK 2.5N	1041660000	100
WDK 2.5N/10	1041700000	10
WDK 2.5N/10	1041800000	10
Type	Cat. No.	Qty.
WAP	1084000000	20
WAP BL	1084080000	20
WTW	1058800000	20

WDK 2.5N V



28 A/4 mm²

5/60/62

8 mm/M 2.5/3.5 x 0.6

800 V/24 A/2.5 mm²

8 kV/3

0.4...0.6

1

0.5...4

1.5...4

0.5...4

0.5...2.5

0.5...2.5

0.13...4

A 3

-/24

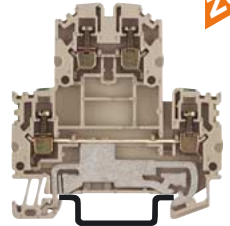
-/24

600 V/20 A/16...12 AWG

300 V/20 A/26...12 AWG

Type	Cat. No.	Qty.
WDK 2.5N V	1041610000	100
Type	Cat. No.	Qty.
WAP	1084000000	20
WAP BL	1084080000	20
WTW	1058800000	20

WDK 2.5N DU-PE



28 A/4 mm²

5/60/62

8 mm/M 2.5/3.5 x 0.6

800 V/24 A/2.5 mm²

8 kV/3

0.4...0.6

1

0.5...4

1.5...4

0.5...4

0.5...2.5

0.5...2.5

0.13...4

A 3

-/24

-/24

600 V/20 A/16...12 AWG

300 V/20 A/26...12 AWG

Type	Cat. No.	Qty.
WDK 2.5N DU-PE	1041650000	100
lower connection level marked in green-yellow		
Type	Cat. No.	Qty.
WAP	1084000000	20
WAP BL	1084080000	20
WTW	1058800000	20

Feed-through terminals

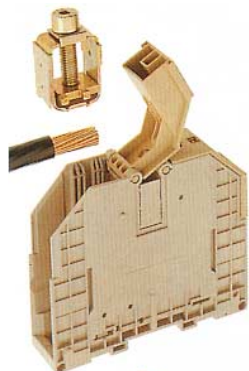
Large-size conductors no longer have to be inserted into the clamping unit with force; they can easily be placed in the terminal.

For each terminal type, terminal-block variants are available - consisting of three-, four- or five-pole terminals - in addition to the individual terminals. All blocks are permanently screwed together for additional torsional rigidity.

Slots provided in the underside of the terminals enable direct fitting. Terminal blocks can be screwed directly to the mounting plates with 25 mm pitch.

Further advantages are:

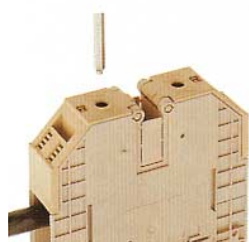
- Constant force transmission by self-adjusting connection system
- Random wiring direction
- Safe from finger-touch (VBG 4), even with cross-connection fitted
- Extreme distortion resistance



Open terminal cover and remove screw unit



Place conductor in terminal and replace screw unit



Close cover and tighten screw with hexagon wrench

Max. technical data

Dimensions / approvals

Width/length/height (mm) with TS 35 x 7.5

Insul. strip. length/clamp. screw/wrench size acc. to DIN 6911

VDE rated data 0611 Part 1/8.92/IEC 60 947-7-1

Rated voltage/current/cross-section

Rated impulse voltage/pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductors

Solid H07V-U mm²

Stranded H07V-R mm²

Flexible H07V-K mm²

Flexible H07V-K and ferrule acc. to DIN 46 228/1 mm²

Flexible H07V-K and ferrules with plastic insul. collar mm²

Strips mm

Strips mm

Max. clamping range in mm² Gauge pin iaw. 60 947-1 Size

Cont. current of cross-connect. 2-pole A

Cont. current of cross-connect. Multi-pole A

UL/CSA rated data

Voltage/current/conductor size UL

Voltage/current/conductor size CSA

Ordering data Version

Hexagonal socket 6 mm Dark beige Wemid

Hexagonal socket 6 mm Blue Wemid

Hexagonal socket 6 mm Green Wemid

Hexagonal socket 6 mm Terminal block¹⁾ 3-pole Wemid

Hexagonal socket 6 mm Terminal block¹⁾ 4-pole Wemid

Hexagonal socket 6 mm Terminal block¹⁾ 5-pole Wemid

Mains terminal block 3 x beige, 1x blue, 1x green Wemid

Cross-connection



Auxiliary/control conductor terminal Pressure piece³⁾

WZAD (up to 4 mm², 32 A)

WFL



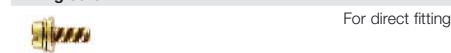
Cover



Test plug



Fixing screw



Hexagon wrench



Screwdriver for direct fitting 1 x 5.5 x 125



Marking tags



Print

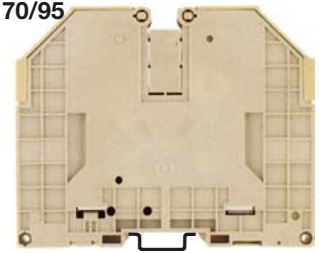
DEK	Standard	DEK 5	see "Accessories"
WS white	neutral	WS 12/6.5	1609920000 540
WS	indiv. printed	WS 12/6.5	1609930000 108

Mounting rails, end brackets, further marking materials see "Accessories"

¹⁾ Terminal block for direct fitting only

²⁾ Using 95 and 120 mm² with 10 Nm tightening torque

WDU 70/95



232 A/95 mm²

27/132/108

30 mm/M 8/S 6

1000 V/232 A/95 mm²

8 kV/3

6...12

16

16...120²⁾

16...95²⁾

16...95²⁾

16...50

3 x 9 x 0.8

4 x 16 x 0.8

16...120

232

(3) 232

600 V/175 A/6...2/0 AWG

600 V/205 A/6...2/0 AWG

WDU 70/95

WDU 70/95

WDU 70/95

WDU 70/95

WDU 70/95

WDU 70/95

WDU 70/95

WDU 70/95

WDU 70/95

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WDU 70/95

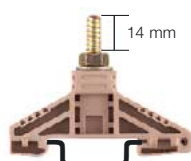
WDU 70/95

WDU 70/95

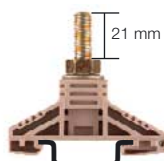
WDU 70/95

Stud terminals

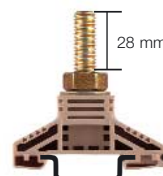
WF 6



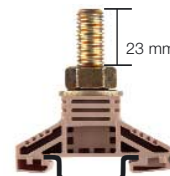
WF 8



WF 10



WF 12



Max. technical data

Dimensions / approvals

Width/length/height with 	mm
Pitch with partition	mm
Stud size	

125 A/35 mm ²
 
19.6 / 67 / 56
18
M6

150 A/50 mm ²
 
24.6 / 67 / 65
23
M8

265 A/120mm ²
 
35.6 / 67 / 74
34
M10

265 A/120mm ²
 
35.6 / 67 / 72
34
M12

Rated data

Rated voltage/current/cross-section
Rated voltage/current/cross-section
Rated impulse voltage/pollution severity ¹⁾
Rated impulse voltage/pollution severity ²⁾

1000 V ¹⁾ / - / -
2.300 V ²⁾ / - / -
8 kV / 3
12 kV / PD 3

1000 V ¹⁾ / - / -
2.300 V ²⁾ / - / -
8 kV / 3
12 kV / PD 3

1000 V ¹⁾ / - / -
2.300 V ²⁾ / - / -
8 kV / 3
12 kV / PD 3

1000 V ¹⁾ / - / -
2.300 V ²⁾ / - / -
8 kV / 3
12 kV / PD 3

Further technical data

Tightening torque range	Nm
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3 ... 6

6 ... 12

10 ... 20

14 ... 31

Clampable conductors

DIN 46234 / number per side ¹⁾
DIN 46235 / number per side ¹⁾
DIN 46234 / number per side ²⁾
DIN 46235 / number per side ²⁾

...35 / 2
...25 / 2
...35 / 1
...25 / 1

...50 / 2
...35 / 2
...50 / 1
...35 / 1

...120 / 2
... 95 / 2
...120 / 1
... 95 / 1

...120 / 2
... 95 / 2
...120 / 1
... 95 / 1

UL/CSA rated data

Voltage/current/conductor size	UL
Voltage/current/conductor size	CSA

1000 V/115 A/14...2 AWG
1000 V/150 A/14...2 AWG

1000 V/115 A/14...1/0 AWG
1000 V/200 A/14...1/0 AWG

1000 V/255 A/10...250 kcmil AWG
1000 V/320 A/10...250 kcmil AWG

1000 V/255 A/10...250 kcmil AWG
1000 V/320 A/10...250 kcmil AWG

Ordering data

Version

Dark beige Wemid

Type	Cat. No.	Qty.
WF 6	1780850000	25

Type	Cat. No.	Qty.
WF 8	1780860000	25

Type	Cat. No.	Qty.
WF 10	1780870000	20

Type	Cat. No.	Qty.
WF 12	1780880000	20

Partition / version



Dark beige Wemid ¹⁾
Epoxy resin ²⁾

Dimensions (width/length/ height)

Dark beige Wemid; length: 50 mm (for insul. cable lugs)

WTW WF 6	1781220000	20
WTW WF 6 2300	1781230000	20
2/101.8/58.5		
WTW WF 50	1781240000	20

WTW WF 8	1780900000	20
WTW WF 8 2300	1780910000	20
2/109.8/67		
WTW WF 50	1781240000	20

WTW WF10/12	1780890000	20
WTW WF10/12 2300	1780920000	20
2/156/76.5		
WTW WF 50	1781240000	20

WTW WF 10/1	1780890000	20
WTW WF 10/12 2300	1780920000	20
2/156/76.5		
WTW WF 50	1781240000	20

Cross-connection

2-pole
3-pole
Special 2-pole
Special 3-pole

WQL 2 WF 6	1780970000	5
WQL 3 WF 6	1780980000	5
WQL 2 WF 6-8	1809880000	5

WQL 2 WF 8	1780990000	5
WQL 3 WF 8	1781000000	5
WQL 2 WF 6-10	1806620000	5
WQL 3 WF 6-10/2	1806640000	5

WQL 2 WF 10	1781010000	5
WQL 3 WF 10	1781020000	5
WQL 2 WF 6-10	1806620000	5
WQL 3 WF 6-10/2	1806640000	5

WQL 2 WF 12	1781030000	5
WQL 3 WF 12	1781040000	5

Prof. material for cover

1000 mm

ADP WF 6/WF 8
1780930000 10

ADP WF 6/WF 8
1780930000 10

ADP WF 10/WF12
1806640000 10

ADP WF 10/WF 12	
1780940000	10

Support for Cover

Dark beige Wemid

HA WF	1781050000	50
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HA WF	1781050000	50
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HA WF	1781050000	50
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HA WF	1781050000	50
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to avoid lateral displacement
of cover

Marking tags



DEK



WS

DEK 5 Standard
WS 10/5 neutral
WS 12/5 neutral
WS 15/5 neutral
WS 10/6 neutral
DEK 6

DEK 5	see "Accessories"
WS 10/5	1635000000 720
WS 12/5	1609860000 720
WS 15/5	1609880000 480
WS 10/6	1060960000 200
DEK 6	see "Accessories"

DEK 5	see "Accessories"
WS 10/5	1635000000 720
WS 12/5	1609860000 720
WS 15/5	1609880000 480
WS 10/6	1060960000 200
DEK 6	see "Accessories"

DEK 5	see "Accessories"
WS 10/5	1635000000 720
WS 12/5	1609860000 720
WS 15/5	1609880000 480
WS 10/6	1060960000 200
DEK 6	see "Accessories"

DEK 5	see "Accessories"
WS 10/5	1635000000 720
WS 12/5	1609860000 720
WS 15/5	1609880000 480
WS 10/6	1060960000 200
DEK 6	see "Accessories"

Mounting rails, end brackets, further marking materials see "Accessories"

¹⁾ With WTW made from WEMID, nominal voltage 1000 V

²⁾ With WTW made from epoxy resin, nominal voltage 2.300 V acc. to prEN 50124-1

Stud terminals

WF 6/2 BZ



WF 8/2 BZ



WF 10/2 BZ



Dimensions			WF 6/2 BZ	WF 8/2 BZ	WF 10/2 BZ
Width/length/height with 	mm		19.6 / 67 / 56	24.6 / 67 / 65	35.6 / 67 / 74
Pitch with partition	mm		18	23	34
Stud size			M6	M8	M10
Rated data					
Rated voltage/current/cross-section ¹⁾			1000 V ¹⁾ / 125A / 35 mm ²	1000 V ¹⁾ / 150A / 50 mm ²	1000 V ¹⁾ / 269A / 120 mm ²
Rated impulse voltage/pollution severity ¹⁾			8 kV / 3	8 kV / 3	8 kV / 3
Further technical data					
Tightening torque range	Nm		3 ... 6	6 ... 12	10 ... 20
Clampable conductors					
DIN 46234 / number per side ¹⁾			...35 / 2	...50 / 2	... 95 / 2
DIN 46235 / number per side ¹⁾			...25 / 2	...35 / 2	...120 / 2 ⁵⁾
UL/CSA rated data					
Voltage/current/conductor size	UL		under preparation	under preparation	under preparation
Voltage/current/conductor size	CSA		under preparation	under preparation	under preparation
Ordering data		Version	Type	Cat. No.	Qty.
		Dark beige Wemid	WF 6/2 BZ	1789770000	25
Partition / Version			Type	Cat. No.	Qty.
		Dark beige Wemid ¹⁾	WTW WF10/12	1780890000	20
		Epoxy resin ²⁾			
		Dimensions (width/length/height)	2/156/76.5	2/156/76.5	2/156/76.5
		Dark beige Wemid; length: 50 mm (for insul. cable lugs)			
Cross-connection					
		Standard 2-pole	WQL 2 WF 6	1780970000	5
		Standard 3-pole	WQL 3 WF 6	1780980000	5
		Special 2-pole ³⁾			
		Special 2-pole ⁴⁾			
Prof. material for cover					
		1000 mm	ADP WF10/WF12	1780930000	10
Support for cover					
		Dark beige Wemid	HA WF	1781050000	50
		to avoid lateral displacement of cover			
Marking tags					
		DEK 5 FW/FS...	DEK 5	see "Accessories"	
		WS 10/5 neutral	WS 10/5	1635000000	720
		WS 12/5 neutral	WS 12/5	1609860000	720
		WS 15/5 neutral	WS 15/5	1609880000	480
Mounting rails, end brackets, further marking materials see "Accessories"					

¹⁾ With WTW made from WEMID, nominal voltage 1000 V

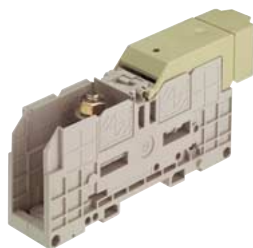
²⁾ With WTW made from epoxy resin, nominal voltage 2.300 V acc. to prEN 50124-1

³⁾ Only for cross-connection WF10/2BZ with WF6/2BZ

⁴⁾ Only for cross-connection WF10/2BZ with WF6/2BZ, if WF10/2BZ or WF6/2BZ are already cross-connected

⁵⁾ Only for cable lugs with a width of ≤ 31 mm

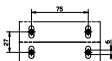
Stud terminals



WFF 35



Drill template for direct fitting
150 A/50 mm²



Max. technical data

Dimensions / approvals

Width/length/height (mm)	without WAH
Width/length/height (mm)	with WAH
Stud size	M

VDE rated data 0611 Part 1/8.92/IEC 60 947-7-1

Rated voltage/current/cross-section	
Rated impulse voltage/pollution severity	

Further technical data

Tightening torque range	Nm
-------------------------	----

Clampable conductors

Cable lug acc. to DIN 46 235	mm ²
Cable lug acc. to DIN 46 234	mm ²
2 x cable lug acc. to DIN 46 235	mm ²
2 x cable lug acc. to DIN 46 234	mm ²

Strips	mm
Strips	mm
Strips	mm

Max. connect. area in mm², gauge for flat conn. to EN 50043 Size

Cont. current of cross-connect. 2-pole A

Cont. current of cross-connect. 3-pole A

UL/CSA rated data

Voltage/current/conductor size UL

Voltage/current/conductor size CSA

Ordering data

Version

Dark beige Wemid
Blue Wemid

with covers

Dark beige Wemid
Dark beige Wemid

Partition (thickness 2 mm)



Cross-connection



Auxiliary/control conductor terminal

WZAF 35 (up to 4 mm², 32 A)



Cover



Beige PA 66
Blue PA 66
Light green PA 66

Danger sign



Yellow, self-adhesive,
with lightning flash,
can be stuck to WAH only

Fixing screw/Screwdriver



For direct fitting
Screwdriver

Cupal washers



For aluminium conductors

Marking tags



Print	
DEK Standard	DEK 5
WS white neutral	WS 12/6.5
WS indiv. printed	WS 12/6.5

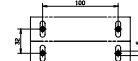
Mounting rails, end brackets, further marking materials see "Accessories"

- ¹⁾ The WAP can be used only in conjunction with the WAH.
In the event that no conductor is connected, it guarantees shock protection in the connection.
²⁾ Screw locking e.g. with Loctite 243 for e.g. railway applications acc. to DIN EN 50 155/5.96

WFF 70



Drill template for direct fitting
232 A/95 mm²



Dimensions / approvals

Width/length/height (mm)	without WAH
Width/length/height (mm)	with WAH
Stud size	M

VDE rated data 0611 Part 1/8.92/IEC 60 947-7-1

Rated voltage/current/cross-section	
Rated impulse voltage/pollution severity	

Further technical data

Tightening torque range	Nm
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Clampable conductors

Cable lug acc. to DIN 46 235	mm ²
Cable lug acc. to DIN 46 234	mm ²
2 x cable lug acc. to DIN 46 235	mm ²
2 x cable lug acc. to DIN 46 234	mm ²

Strips	mm
Strips	mm
Strips	mm

Max. connect. area in mm², gauge for flat conn. to EN 50043 Size

Cont. current of cross-connect. 2-pole A

Cont. current of cross-connect. 3-pole A

UL/CSA rated data

Voltage/current/conductor size UL

Voltage/current/conductor size CSA

Ordering data

Version

Dark beige Wemid
Blue Wemid

with covers

Dark beige Wemid

Partition (thickness 2 mm)

Dark beige Wemid

Type	Cat. No.	Qty.
WTW WFF 35	1067100000	10

Type	Cat. No.	Qty.
WTW WFF 70	1067200000	10

Cross-connection

WQL 2/35	1064900000	5
WQL 3/35	1065400000	5

WQL 2/70	1065000000	5
WQL 3/70	1065500000	5

Auxiliary/control conductor terminal

WZAF 35 (up to 4 mm², 32 A)

WZAF 35	1070500000	10
---------	------------	----

WZAF 70	1066200000	10
---------	------------	----

Cover

Beige PA 66	WAH 35	1064460000	20
Blue PA 66	WAH 35 BL	1064480000	20
Light green PA 66	WAH 35 HG	1064450000	20
	WAP ¹⁾	1069700000	20

WD 1	1563900000	5
Qty. = 5 cards with 6 labels each		

M 6 x 16 ²⁾	1063700000	20
SDI	9008410000	1

CPSB M 6	0156200000	50
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CPSB M 8	0156300000	50
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Print	
DEK Standard	DEK 5
WS white neutral	WS 12/6.5
WS indiv. printed	WS 12/6.5

Mounting rails, end brackets, further marking materials see "Accessories"

- ¹⁾ The WAP can be used only in conjunction with the WAH.
In the event that no conductor is connected, it guarantees shock protection in the connection.
²⁾ Screw locking e.g. with Loctite 243 for e.g. railway applications acc. to DIN EN 50 155/5.96

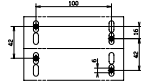
Note: If tension rods are used, individual terminals can be combined for protection. (available on request)

Stud terminals

WFF 120



Drill template for direct fitting
309 A/150 mm²



42/132/72	
42/230/81	
10	
1000 V/269 A/120 mm ²	
8 kV/3	
10...20	
16...150	
6...150	
16...120	
6...120	
2 x 20 x 1	
6 x 20 x 1	
5 x 24 x 1	
5.26...150	C 8
292	
292	

1000 V/310 A/10...250 kcmil AWG	
600 V/310 A/10...250 kcmil AWG	

	Cat. No.	Qty.
WFF 120	1028500000	5
WFF 120	1028580000	5

WFF 120	1029500000	5
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Type	Cat. No.	Qty.
WTW WFF 120	1067300000	10

WQL 2/120	1065100000	5
WQL 3/120	1065600000	5

WZAF 120	1066300000	10
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WAH 120	1064660000	20
WAH 120 BL	1064680000	20
WAH 120 HG	1064650000	20
WAP ¹⁾	1073000000	20

WD 1	1563900000	5
Qty. = 5 cards with 6 labels each		

M 6x16 ²⁾	1063700000	20
SDI	9008410000	1

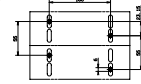
CPSB M 10	0156400000	50
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DEK 5	see "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

WFF 185 / WFF 185 M 12 + M 16



Drill template for direct fitting
415 A/240 mm²



55/163/78	
55/287/91	
12	
1000 V/353 A/185 mm ²	
8 kV/3	
14...31	
25...240	
10...240	
25...185	
10...185	
2 x 24 x 1	10 x 24 x 1
2 x 32 x 1	6 x 32 x 1
3 x 35 x 1	
8.37...240	C 11
382	
382	

1000 V/380 A/8...500 kcmil AWG	
600 V/360 A/8...500 kcmil AWG	

	Cat. No.	Qty.
WFF 185	1028600000	4
WFF 185	1028680000	4

WFF 185	1029600000	4
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Type	Cat. No.	Qty.
WTW WFF 185	1067400000	10

WQL 2/185	1065200000	5
WQL 3/185	1065700000	5

WZAF 185	1066400000	10
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WAH 185/300	1064760000	10
WAH 185/300 BL	1064780000	10
WAH 185/300 HG	1064750000	10

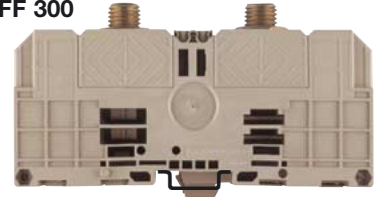
WD 1	1563900000	5
Qty. = 5 cards with 6 labels each		

M 6x16 ²⁾	1063700000	20
SDI	9008410000	1

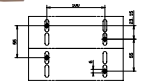
CPSB M 12	0156500000	20
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DEK 5	see "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

WFF 300



Drill template for direct fitting
520 A/300 mm²



55/163/86	
55/287/90	
16	
1000 V/520 A/300 mm ²	
8 kV/3	
25...60	
50...300	
25...240	
50...240	
25...240	
2 x 40 x 1	3 x 35 x 1
6 x 40 x 1	8 x 32 x 1
8 x 40 x 1	
13.3...300	-
520	
520	

1000 V/500 A/6...600 kcmil AWG	
600 V/510 A/6...600 kcmil AWG	

	Cat. No.	Qty.
WFF 300	1028700000	4
WFF 300	1028780000	4

WFF 300	1029700000	4
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Type	Cat. No.	Qty.
WTW WFF 300	1067400000	10

WQL 2/300	1065300000	5
WQL 3/300	1065800000	5

WZAF 300	1066500000	10
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WAH 185/300	1064760000	10
WAH 185/300 BL	1064780000	10
WAH 185/300 HG	1064750000	10

WD 1	1563900000	5
Qty. = 5 cards with 6 labels each		

M 6x16 ²⁾	1063700000	20
SDI	9008410000	1

CPSB M 16	0156500000	20
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DEK 5	see "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

¹⁾ The WAP can be used only in conjunction with the WAH.
In the event that no conductor is connected, it guarantees shock protection in the connection.
²⁾ Screw locking e.g. with Loctite 243 for e.g. railway applications acc. to DIN EN 50 155/5.96

Note: If tension rods are used, individual terminals can be combined for protection. (available on request)

Protective conductor terminals

Standard design

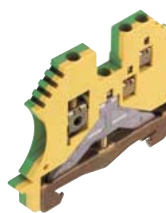
Dimensions / approvals	
Width/length/height (mm)	with TS 35 x 7.5
Insulation stripping length/clamping screw/screwdriver blade	
Rated data acc. to VDE 0611 Part 3/IEC 60 947-7-2	
Rated voltage/current for PEN/cross-section	
Rated voltage/impulse voltage/pollution severity to adjacent terminal	
Further technical data	
Tightening torque range	Nm
Torque setting with DMS 2 electric screwdriver	
Clampable conductors	
Solid H07V-U	mm ²
Stranded H07V-R	mm ²
Flexible H07V-K	mm ²
Flexible H07V-K and ferrule acc. to DIN 46 228/1	mm ²
Flexible H07V-K and ferrules with plastic insul. collar	mm ²
AWG conductor	Nr.
Max. clamping range in mm ² /Gauge pin acc. to 60 947-7-1 Size	
Ordering data	
Green/yellow Wemid	
Support block ¹⁾	
Marking tags	
	DEK
	WS
Print	
Standard	Standard
neutral	neutral
indiv. printed	indiv. printed

WPE 1.5/ZZ



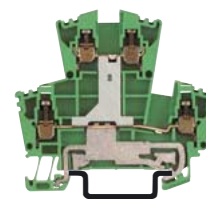
Twin connection			
5/60/47	7 mm/M 2.5/3.5 x 0.6		
– V/– A/1.5 mm ²			
690 V/8 kV/3			
0.4...0.6	1/1		
0.5...2.5	1.5...2.5		
0.5...1.5	0.5...1.5		
0.5...1.5	0.5...1.5		
0.5...1.5	0.5...1.5		
26...14	26...14		
0.08...2.5	A 1		
Type	Cat. No.	Qty.	
WPE 1.5 ZZ	1016500000	100	
Type	Cat. No.	Qty.	
SH 2	0494920000	10	
DEK 5	see "Accessories"		
WS 12/5	1609860000	720	
WS 12/5	1773380000	300	

WPE 2.5/1.5/ZR



Twin connection			
5/60/47	10/7 mm/M 2.5/3.5 x 0.6		
– V/– A/2.5 mm ² – V/– A/ 1.5 mm ²			
690 V/8 kV/3			
0.4...0.6	1/1		
0.5...4	0.5...2.5		
1.5...4	1.5...2.5		
0.5...4	0.5...1.5		
0.5...2.5	0.5...1.5		
0.5...2.5 ³⁾	0.5...1.5		
26...12	26...14		
0.13...4	A3	0.08...2.5	A 1
Type	Cat. No.	Qty.	
WDK 2.5/1.5 ZR	1016400000	100	
Type	Cat. No.	Qty.	
SH 2	0494920000	10	
DEK 5	see "Accessories"		
WS 12/5	1609860000	720	
WS 12/5	1773380000	300	

WDK 2.5 PE WDK 2.5 DU-PE



Twin connection			
5/69/63	10 mm/M 2.5/3.5 x 0.6		
– V/– A/2.5 mm ²			
400 V/6 kV/3			
0.4...0.6	1/1		
0.5...4	1.5...4		
1.5...4	0.5...4		
0.5...4	0.5...2.5		
0.5...2.5 ³⁾	0.5...2.5		
22...12			
0.13...4			A 3
Type	Cat. No.	Qty.	
WDK 2.5 PE	1036300000	100	
WDK 2.5 DU-PE	1036400000	100	
Type	Cat. No.	Qty.	
SH 2	0494920000	10	
DEK 5	see "Accessories"		
WS 8/5	1640740000	720	
WS 8/5	1773360000	300	

Standard design

WPE 10 ZR



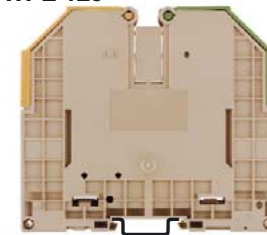
Twin connection			
10/70/49.5	12 mm/M 4/5.5 x 1.0	9 mm/M 5/3.5 x 0.6	
– V/– A/10 mm ² – V/– A/4 mm ²			
800 V/8 kV/3			
1.2...2.4	0.5...1.0		
4	2		
1.5...16	0.5...6		
1.5...16	1.5...4		
1.5...16	0.5...4		
1.5...16	0.5...4		
1.5...16	0.5...4		
14...6	22...12		
1.31...16	0.2...6		
Type	Cat. No.	Qty.	
WPE 10 ZR	1042500000	50	
Type	Cat. No.	Qty.	
SH 2	0494920000	10	
DEK 5	see "Accessories"		
WS 12/6.5	1609920000	540	
WS 12/6.5	1609930000	108	

WPE 70/95



Twin connection			
27/132/115.5 (with TS 35 x 15)	30 mm/M 8/S 6 DIN 6911		
– V/– A/95 mm ²			
1000 V/8 kV/3			
6.0...12/3.0...6.0 (for centre screw)			
16			
16...120	Using 95 and 120 mm ²		
16...95	with 10 Nm		
35...95	tightening torque		
35...50			
6...2/0			
16...120		B 12	
Type	Cat. No.	Qty.	
WPE 70/95	1037300000	10	
Type	Cat. No.	Qty.	
SH 2	0494920000	10	
Bridge on internal side			
WQV70/95-PEN	1072300000	5	
DEK 5	see "Accessories"		
WS 12/6.5	1609920000	540	
WS 12/6.5	1609930000	108	

WPE 120



Twin connection			
32/132/125.5 (with TS 35 x 15)	35 mm/M 10/S 6 DIN 6911		
– V/– A/120 mm ²			
1000 V/8 kV/3			
10...20/3.0...6.0 (for centre screw)			
–			
35...150			
35...150			
–			
–			
2...MCM 250			
35...150		B 13	
Type	Cat. No.	Qty.	
WPE 120	1019700000	10	
Type	Cat. No.	Qty.	
SH 2	0494920000	10	
Bridge on internal side			
WQV120-PEN	1072400000	5	
DEK 5	see "Accessories"		
WS 12/6.5	1609920000	540	
WS 12/6.5	1609930000	108	

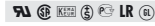
¹⁾ For insul. arrangement of mount. rails in totally insul. installations
²⁾ Insertable bridge in a TN C distribution network between N terminal (WDU blue) and PE terminal (WPE)
³⁾ Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. **1333100000**

⁴⁾ TS 35x15 Cu,
Cat. No. **0270100000**

Protective conductor terminals

Compact design “N” for low type

WPE 2.5N



Dimensions / approvals	
Width/length/height (mm)	with TS 35 x 7.5
Insulation stripping length/clamping screw/screwdriver blade	
Rated data acc. to VDE 0611 Part 3/IEC 60 947-7-2	
Rated voltage/current for PEN/cross-section	
Rated voltage/impulse voltage/pollution severity to adjacent terminal	
Further technical data	
Tightening torque range	Nm
Torque setting with DMS 2 electric screwdriver	
Clampable conductors	
Solid H07V-U	mm ²
Stranded H07V-R	mm ²
Flexible H07V-K	mm ²
Flexible H07V-K and ferrule acc. to DIN 46 228/1	mm ²
Flexible H07V-K and ferrules with plastic insul. collar	mm ²
AWG conductor	Nr.
Max. clamping range in mm ² /Gauge pin acc. to 60 947-7-1	Size
Ordering data	
Green/yellow Wemid	
Support block ¹⁾	
Marking tags	
	DEK
	WS
Print	Standard
WS White	neutral
WS	indiv. printed

5/54/37.5
10 mm/M 2.5/3.5 x 0.6

– V/– A/2.5 mm²
500 V/6 kV/3

0.4...0.6
1/1

0.5...4	
1.5...4	
0.5...4	
0.5...2.5	
0.5...2.5 ³⁾	
26...12	

0.13...4	A 3	
Type	Cat. No.	Qty.
WPE 2.5N	1016200000	100
SH 2	0494920000	10

DEK 5	see "Accessories"	
WS 12/5	1609860000	720
WS 12/5	1773380000	300

WPE 4N



6/44/38.5
10 mm/M 3/3.5 x 0.6

– V/– A/4 mm²
6 kV/3

0.5...1.0
2

0.5...6	
1.5...6	
0.5...4	
0.5...4	
0.5...4	

0.13...6	A 3	
Type	Cat. No.	Qty.
WPE 4N	1042700000	100
SH 2	0494920000	10

DEK 6	see "Accessories"	
WS 12/6	1609900000	720
WS 12/6	1609910000	30

Compact design “N” for low type

WPE 16N



Dimensions / approvals	
Width/length/height (mm)	with TS 35 x 7.5
Insulation stripping length/clamping screw/screwdriver blade	
Rated data acc. to VDE 0611 Part 3/IEC 60 947-7-2	
Rated voltage/current for PEN/cross-section	
Rated voltage/impulse voltage/pollution severity to adjacent terminal	
Further technical data	
Tightening torque range	Nm
Torque setting with DMS 2 electric screwdriver	
Clampable conductors	
Solid H07V-U	mm ²
Stranded H07V-R	mm ²
Flexible H07V-K	mm ²
Flexible H07V-K and ferrule acc. to DIN 46 228/1	mm ²
Flexible H07V-K and ferrules with plastic insul. collar	mm ²
AWG conductor	Nr.
Max. clamping range in mm ² /Gauge pin acc. to 60 947-7-1	Size
Ordering data	
Green/yellow Wemid	
Support block ¹⁾	
Bridge ²⁾	
Marking tags	
	DEK
	WS
Print	Standard
WS White	neutral
WS	indiv. printed

12/60/47
12 mm/M 4/5.5 x 1.0

– V/– A/16 mm²
400 V/6 kV/3

1.2...2.0/0.5...1.0 (for centre screw)
–/2 (for centre screw)

4...16	
4...25 (25 mm ² for 2.2 Nm)	
4...16	
4...16	
4...16	
14...6	
1.5...2	B 7

Type	Cat. No.	Qty.
WPE 16N	1019100000 ³⁾	50
SH 2	0494920000	10

Bridge on internal side		
WQV 16N-PEN	1071360000 ⁴⁾	10
DEK 8	see "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

WPE 35N



16/66/51
18 mm/M 6/5.5 x 1.0

– V/– A/35 mm²
400 V/6 kV/3

2.5...5.0/1.2...2.4 (for centre screw)
–/4 (for centre screw)

2.5...16	
2.5...50	
2.5...35	
2.5...35	
2.5...35	
2.5...35	
2.5...50	B 9

Type	Cat. No.	Qty.
WPE 35N	1717740000 ⁵⁾	20
SH 2	0494920000	10

Bridge on the external side		
WQB-PEN35N	1079500000	10
DEK 8	see "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

WPE 70N



20.5/75/93.5 (with TS 35 x 15)³⁾
22 mm/M 8/S 6 DIN 6911

– V/– A/70 mm²
1000 V/8 kV/3

6.0...10/2.0...4.0 (for centre screw)

10...16	
10...95	
10...70	
10...70	
10...70	
10...70	
8...2/0	
10...95	B 11

Type	Cat. No.	Qty.
WPE 70N	9512200000 ⁶⁾	10
SH 2	0494920000	10

Bridge on internal side		
WQV 70N-PEN	9525840000	5
DEK 8	see "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

¹⁾ For insul. arrangement of mount. rails in totally insul. installations
²⁾ Insertable bridge in a TN C distribution network between N terminal (WDU blue) and PE terminal (WPE)

³⁾ WPE 35 and WPE 70N for TS 35 x 15 Cu Cat. No. **0270100000**

⁴⁾ For preparing PEN bridges and using WQV 16 N, route the N conductor-in-feed between PE and phase.
⁵⁾ Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. **1333100000**

Protective conductor terminals

Compact design "N" for low type

Dimensions / approvals

Width/length/height (mm) with TS 35 x 7.5

Insulation stripping length/clamping screw/screwdriver blade

Rated data acc. to VDE 0611 Part 3/IEC 60 947-7-2

Rated voltage/current for PEN/cross-section

Rated voltage/impulse voltage/pollution severity to adjacent terminal

Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductors

Solid H07V-U mm²

Stranded H07V-R mm²

Flexible H07V-K mm²

Flexible H07V-K and ferrule acc. to DIN 46 228/1 mm²

Flexible H07V-K and ferrules with plastic insul. collar mm²

AWG conductor Nr.

Max. clamping range in mm²/Gauge pin acc. to 60 947-7-1 Size

Ordering data

Green/yellow Wemid

Support block¹⁾

Marking tags



DEK



WS

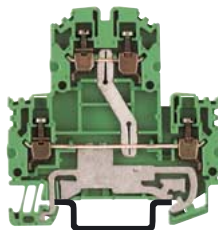
Print

DEK Standard

WS White neutral

WS indiv. printed

WDK 2.5N PE



UL CUL LR DNV

5/60/62

8 mm/M 2.5/3.5 x 0.6

– V/– A/2.5 mm²

800 V/8 kV/3

0.4...0.6

1

0.5...4

1.5...4

0.5...4

0.5...2.5

0.5...2.5²⁾

22...12

0.13...4

A 3

Type	Cat. No.	Qty.
WDK 2.5N PE	1041620000	100
SH 2	0494920000	10
DEK 5	see "Accessories"	
WS 8/5	1640740000	720
WS 8/5	1773360000	300

WDK 2.5N DU-PE



UL CUL LR DNV

5/60/62

8 mm/M 2.5/3.5 x 0.6

– V/– A/2.5 mm²

800 V/8 kV/3

0.4...0.6

1

0.5...4

1.5...4

0.5...4

0.5...2.5

0.5...2.5²⁾

22...12

0.13...4

A 3

Type	Cat. No.	Qty.
WDK 2.5N DU-PE	1041650000	100
SH 2	0494920000	10
DEK 5	see "Accessories"	
WS 8/5	1640740000	720
WS 8/5	1773360000	300

Compact design "N" for low type

Dimensions / approvals

Width/length/height (mm) with TS 35 x 7.5

Insulation stripping length/clamping screw/screwdriver blade

Rated data acc. to VDE 0611 Part 3/IEC 60 947-7-2

Rated voltage/current for PEN/cross-section

Rated voltage/impulse voltage/pollution severity to adjacent terminal

Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductors

Solid H07V-U mm²

Stranded H07V-R mm²

Flexible H07V-K mm²

Flexible H07V-K and ferrule acc. to DIN 46 228/1 mm²

Flexible H07V-K and ferrules with plastic insul. collar mm²

AWG conductor Nr.

Max. clamping range in mm²/Gauge pin acc. to 60 947-7-1 Size

Ordering data

Green/yellow Wemid

Support block¹⁾

Marking tags



DEK



WS

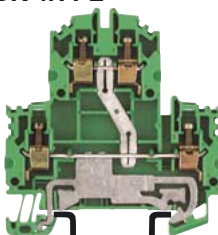
Print

DEK Standard

WS White neutral

WS indiv. printed

WDK 4N PE



UL CUL LR DNV

5/60/64

8 mm/M 3/3.5 x 0.6

– V/– A/4 mm²

800 V/8 kV/3

0.5...1.0

2

0.5...6

1.5...6

0.5...4

1.5...4

1.5...4

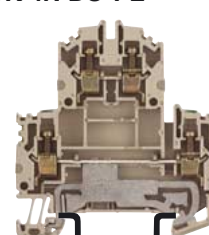
26...10

0.13...6

A 3

Type	Cat. No.	Qty.
WDK 4N PE	1041920000	100
SH 2	0494920000	10
DEK 5	see "Accessories"	
WS 8/5	1640740000	720
WS 8/5	1773360000	300

WDK 4N DU-PE



UL CUL LR DNV

5/60/64

8 mm/M 3/3.5 x 0.6

– V/– A/4 mm²

800 V/8 kV/3

0.5...1.0

2

0.5...6

1.5...6

0.5...4

0.5...4

0.5...4

26...10

0.13...6

A 3

Type	Cat. No.	Qty.
WDK 4N DU-PE	1041950000	100
SH 2	0494920000	10
DEK 5	see "Accessories"	
WS 8/5	1640740000	720
WS 8/5	1773360000	300

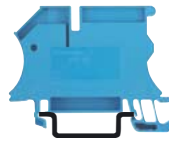
Mounting rails, end brackets, further marking materials see "Accessories"

¹⁾ For insul. arrangement of mount. rails in totally insul. installations

²⁾ Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 1333100000

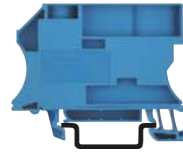
Neutral disconnect terminals

WNT 16N



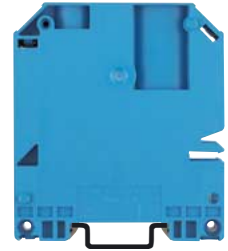
- / -

WNT 35N



- / -

WNT 70N



207 A/95 mm²

Max. technical data

Dimensions / approvals

Width/length/height (mm) with TS 35 x 7.5

Insulation stripping length/clamping screw/screwdriver blade

VDE rated data 0611 Part 5

Rated voltage/current/cross-section

Rated voltage/impulse voltage/pollution severity

Further technical data

Tightening torque range clamping screw / N disconnect Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductors

Solid H07V-U mm²

Stranded H07V-R mm²

Flexible H07V-K mm²

Flexible H07V-K and ferrule acc. to DIN 46 228/1 mm²

Flexible H07V-K and ferrules with plastic insul. collar mm²

Max. clamping range in mm²/Gauge pin acc. to 60 947-7-1 Size

UL/CSA rated data

Voltage/current/conductor size UL

Voltage/current/conductor size CSA

Ordering data

For busbar 10 x 3

Blue Wemid

Support plate



for SSch 10 x 3 Blue Wemid

Dark beige Wemid

Thickness 1.5 mm

Distance WHP-WHP max. 200mm

Busbar 10 x 3



Cu 140 A

Distance f. upper edge busbar to upper edge of TS 35 = 25.5 mm

Clamping yoke



Supply for SSch 10 x 3
16...50 mm² stranded

ZB 35 K

ZB 35

Test plug



End bracket

Bridge on the external side

Cross-section of connection is reduced by one level

Marking tags



DEK



WS

DEK Standard

WS White neutral

WS indiv. printed

12/60/47

12 mm/M 4/5.5 x 1.0

400 V/76 A/16 mm²

400 V/6 kV/3

1.2...2.2 / 0.8...1.6

4

1.5...16

1.5...25 (25 mm² with 2.4 Nm)

1.5...16

1.5...16

1.5...16

1.5...25

16/66/51

18mm/M 6/5.5 x 1.0

400 V/125 A/35 mm²

400 V/6 kV/3

2.5...5 / 1.2...2.4

-

2.5...16

2.5...50

2.5...35

2.5...35

2.5...35

2.5...35



20.5/75/86

22 mm/M 8/S 6 DIN 6911

400 V/192 A/70 mm²

400 V/6 kV/3

6.0...10 / 2.5...5

-

10...16

10...95

10...70

10...70

10...70

10...95

600 V/175 A/6...2/0 AWG

Type	Cat. No.	Qty.
WNT 16N	1019000000	50

WHP 2.5-10	1050280000	20
WHP 2.5-10	1050200000	20

SSch 10 x 3 Cu	0348900000	1 m
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ZB 35 K	0502680000	20
ZB 35	0266500000	20

PS 2.3	0180400000	20
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WEW 35 / 2	1061200000	50
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WQB-PEN 16N	1079600000	10
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DEK 5	see "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

Type	Cat. No.	Qty.
WNT 35N	1718550000	20

WHP 2.5-10	1050280000	20
WHP 2.5-10	1050200000	20

SSch 10 x 3 Cu	0348900000	1 m
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ZB 35 K	0502680000	20
ZB 35	0266500000	20

PS 2.3	0180400000	20
--------	------------	----

WEW 35 / 2	1061200000	50
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WQB-PEN 35N	1079500000	10
-------------	------------	----

DEK 5	see "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

Type	Cat. No.	Qty.
WNT 70N	9512210000	10

WHP 2.5-10	1050280000	20
WHP 2.5-10	1050200000	20

SSch 10 x 3 Cu	0348900000	1 m
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ZB 35 K	0502680000	20
ZB 35	0266500000	20

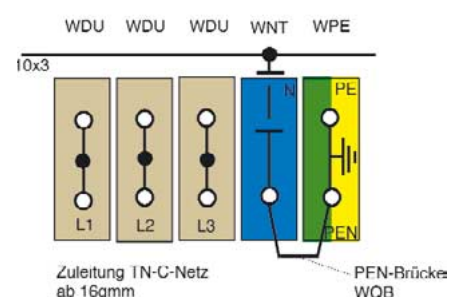
PS 4	0299600000	20
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WEW 35 / 2	1061200000	50
------------	------------	----

WQB-PEN 70N	1079700000	10
-------------	------------	----

DEK 5	see "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

TN-S-Circuit



Mounting rails, end brackets, further marking materials see "Accessories"

Disconnect test terminals

WDT 1.5/1
with space-saving TOP
connection



WDT 1.5/2
with space-saving TOP
connection



WDT 1.5/3
with space-saving TOP
connection



Dimensions / approvals

Width/length/height (mm) with TS 35 x 7.5

Insulation stripping length/clamping screw/screwdriver blade

Rated data

Rated voltage/current/cross-section

Rated impulse voltage acc. to VDE 0110/1.89 /pollution severity

Further technical data

Tightening torque range

Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductors

Solid H07V-U

mm²

Stranded H07V-R

mm²

Flexible H07V-K

mm²

Flexible H07V-K and ferrule acc. to DIN 46 228/1

mm²

Flexible H07V-K and ferrules with plastic insul. collar

mm²

Max. clamping range in mm²/Gauge pin acc. to 60 947-1

Size

Cont. current of cross-connect. 2-pole

A

Cont. current of cross-connect. multi-pole

A

UL/CSA rated data

Voltage/current/conductor size

UL

Voltage/current/conductor size

CSA

Ordering data

Version

Dark beige/yellow Wemid

Beige/yellow PA

Blue/light blue PA

Test plug



PS



6.5/112/67

10 mm/M 2.5/3.5 x 0.6

250 V/10 A/1.5 mm²

4 kV/3

0.4...0.6

1

0.5...2.5

1.5...2.5

0.5...1.5

0.5...1.5

0.5...1.5

0.13...2.5 A 2

150 V/10 A/26...14 AWG

150 V/10 A/26...14 AWG

Type	Cat. No.	Qty.
PS 2.3	1015800000	25
PS 2.3	1015860000	25

Type	Cat. No.	Qty.
PS 2.3	0180400000	20



6.5/112/67

10 mm/M 2.5/3.5 x 0.6

250 V/10 A/1.5 mm²

4 kV/3

0.4...0.6

1

0.5...2.5

1.5...2.5

0.5...1.5

0.5...1.5

0.5...1.5

0.13...2.5 A 2

150 V/10 A/26...14 AWG

150 V/10 A/26...14 AWG

Type	Cat. No.	Qty.
PS 2.3	1015900000	25
PS 2.3	1015560000	25

Type	Cat. No.	Qty.
PS 2.3	0180400000	20



6.5/112/67

10 mm/M 2.5/3.5 x 0.6

250 V/10 A/1.5 mm²

4 kV/3

0.4...0.6

1

0.5...2.5

1.5...2.5

0.5...1.5

0.5...1.5

0.5...1.5

0.13...2.5 A 2

150 V/10 A/26...14 AWG

150 V/10 A/26...14 AWG

Type	Cat. No.	Qty.
PS 2.3	1016000000	25
PS 2.3	1015760000	25
PS 2.3	1016160000	25

Type	Cat. No.	Qty.
PS 2.3	0180400000	20

Switching examples

WDT 1.5/...

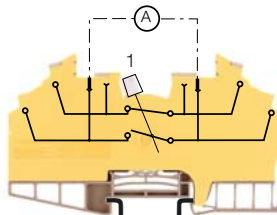
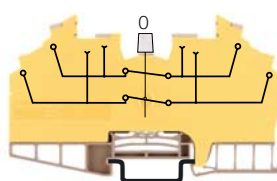
Disconnect test terminals

W-series

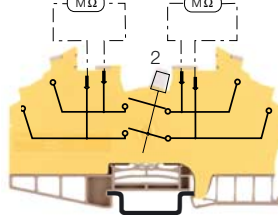
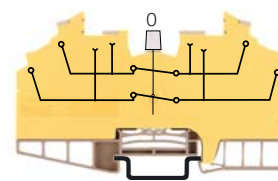
The WDT 1.5 enables the disconnection of one- and two-pole signal lines. By simply operating the selection switch, insulation and current measurements can be performed.

- Quick and reliable conductor connection thanks to TOP connection with open clamping unit
- Test point via test socket screw
- Clear colour coding of conductor connection, test point and switch position
- Non-symmetrical shape enhances mounting rail orientation
- High distortion stiffness thanks to dual-shell enclosed terminal carrier

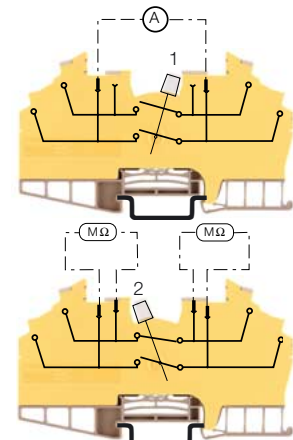
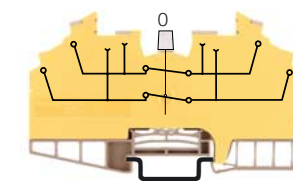
WDT 1.5/1
with space-saving TOP
connection



WDT 1.5/2
with space-saving TOP
connection



WDT 1.5/3
with space-saving TOP
connection



Marking tags



DEK



WS

Print

DEK Standard

WS White neutral

WS indiv. printed

DEK 6.5 see

"Accessories"

WS 8/5 1640740000 720

WS 8/5 1773360000 300

DEK 6.5 see

"Accessories"

WS 8/5 1640740000 720

WS 8/5 1773360000 300

DEK 6.5 see

"Accessories"

WS 8/5 1640740000 720

WS 8/5 1773360000 300

Mounting rails, end brackets, further marking materials see "Accessories"

Fuse terminals

Note:

With blown fuse the follow-on circuit is still under current. Disconnect lever to open circuit.

Max. technical data

Dimensions/approvals

Width/length/height (mm) with TS 35 x 7.5

Insulation stripping length/clamping screw/screwdriver blade

Rated data of terminal base

Rated voltage/current/cross-section

Rated impulse voltage acc. to VDE 0110/1.89 /pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductors

Solid H07V-U mm²

Stranded H07V-R mm²

Flexible H07V-K mm²

Flexible H07V-K and ferrule acc. to DIN 46 228/1 mm²

Flexible H07V-K and ferrules with plastic insul. collar mm²

Max. clamping range in mm²/Gauge pin acc. to 947-1 Size

Cont. current of cross-connect. 2-pole A

Cont. current of cross-connect. multi-pole A

UL/CSA rated data

Voltage/current/conductor size UL

Voltage/current/conductor size CSA

Ordering data

Version	
Dark beige Wemid	
Dark beige Wemid/LED	
Dark beige Wemid/LED	
Dark beige Wemid/LED	
Dark beige Wemid/LED	

Partition/End plate

WAP	WTW
Thickness 1.5 mm	Thickness 1.5 mm

Cross-connection



Notching tool for QL WAW 2

G fuse inserts 5 x 20 mm

Acc. to IEC 60127-2 (VDE 0820 T.2 BI²) Rat. current (A):0.10 fast

Rated voltage 250 V 0.20 fast

Rated switch-off capacity 1500 A 0.25 fast

(at 250 V, 50 Hz, cos φ = 0.7) 0.50 fast

1.0 fast

1.6 fast

2.0 fast

2.5 fast

3.15 fast

4.0 fast

5.0 fast

6.3 fast

Marking tags

Print	
DEK Standard	DEK 5
WS White neutral	WS 12/6.5
WS indiv. printed	WS 12/6.5

Mounting rails, end brackets, further marking materials see "Accessories"

¹⁾ Pay attention to the power loss of the fuse insert up to 1.6 W
²⁾ Maximum power loss 1.6 W

WTR 2.5/SI with fuse holder for G fuse inserts 5x20



6.3 A¹⁾/-

5/60/83

10 mm/M 2.5/3.5 x 0.6

400 V/6.3 A²⁾/2.5 mm²

6 kV/3

0.4...0.8

1/2

0.5...4

1.5...4

0.5...4

0.5...2.5

0.5...2.5³⁾

0.13...4

26

400 V/10 A/22...10 AWG⁵⁾

Type	Cat. No.	Qty.
WAP 2.5-10	1050000000	50
WAP2.5-10BL	1050080000	50
WTW 2.5-10	1050100000	20
QL 2	0215800000	100
QL 3	0215900000	100
QL 4	0216000000	50
QL 10	0338000000	20
BS-M 2.5x4.5	1052100000	100
WQB B 24	1579060000	20

WAW 2 9004510000 1

0430300000	10
0430400000	10
0430500000	10
0430600000	10
0430700000	10
0430800000	10
0430900000	10
0431000000	10
0431100000	10
0431200000	10
0431300000	10
0431400000	10

see "Accessories"	
1609920000	540
1609930000	108

WTR 4/SI



6.3 A¹⁾/-

6/60/82

13 mm/M 3/3.5 x 0.6

400 V/6.3 A²⁾/4 mm²

6 kV/3

0.5...1.0

2

0.5...6

1.5...6

0.5...4

0.5...4

0.13...6

32

300 V/6.3 A/22...10 AWG⁴⁾

300 V/6.3 A/22...10 AWG⁴⁾

Type	Cat. No.	Qty.
WTR 4 SI	7910240000	25
10-36 V CSA: 36 V/6.3 A/22...10 AWG	7914370000	25
35-70 V CSA: 70 V/6.3 A/22...10 AWG	7914380000	25
60-150 V CSA: 150 V/6.3 A/22...10 AWG	7914390000	25
140-250 V CSA: 250 V/6.3 A/22...10 AWG	7914400000	25
WAP 2.5-10	1050000000	50
WAP2.5-10BL	1050080000	50
WTW 2.5-10	1050100000	20
ZQV 4N/2	1758250000	60
ZQV 4N/3	1762630000	60
ZQV 4N/4	1762620000	60
ZQV 4N/10	1758260000	60
ZQV 4N/41	1758270000	60
QB75/6.2/15	0535200000	20
ISPF QB75 SW	0526700000	20
ISPF QB75 BL	0526780000	20
ISPF QB75 RT	0526760000	20

0430300000	10
0430400000	10
0430500000	10
0430600000	10
0430700000	10
0430800000	10
0430900000	10
0431000000	10
0431100000	10
0431200000	10
0431300000	10
0431400000	10

see "Accessories"	
1609900000	600
1609910000	120

⁴⁾ WTR 4 SI

⁵⁾ WTR 2.5 SI

Fuse terminals

Note:

Voltage is disconnected by opening the disconnect lever
If the fuse of the LED variants is defective, the follow-on circuit is still under current, since low-level current is still flowing via the LED (for own consumption).

Max. technical data

Dimensions/approvals

Width/length/height (mm) with TS 35 x 7.5

Insulation stripping length/clamping screw/screwdriver blade

Rated data of terminal base

Rated voltage/current/cross-section

Rated impulse voltage acc. to VDE 0110/1.89 /pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductors

Solid H07V-U mm²

Stranded H07V-R mm²

Flexible H07V-K mm²

Flexible H07V-K and ferrule acc. to DIN 46 228/1 mm²

Flexible H07V-K and ferrules with plastic insul. collar mm²

Max. clamping range in mm²/Gauge pin acc. to 947-1 Size

Cont. current of cross-connect. 2-pole A

Cont. current of cross-connect. multi-pole A

UL/CSA rated data

Voltage/current/conductor size UL

Voltage/current/conductor size CSA

Ordering data

Version

Dark beige Wemid

Dark beige Wemid/LED

Dark beige Wemid/LED

Dark beige Wemid/LED

Dark beige Wemid/LED

Replacement disconnect lever, dark beige Wemid/LED

Replacement disconnect lever, dark beige Wemid/LED

Replacement disconnect lever, dark beige Wemid/LED

Partition/End plate

WAP

WTW



Thickness 1.5 mm



Thickness 1.5 mm

Cross-connection/Test plug/Notching tool



QL 2-10



Notching tool for QL WAW 2

G fuse inserts 5 x 25 mm with indicator

Acc. to DIN 41 576

Rated current (A):0.2 med. blow

Rated voltage 250 V 0.5 med. blow

0.8 med. blow

1 med. blow

10 med. blow

2 fast

4 fast

6.3 fast

G fuse inserts 5 x 20 mm

Acc. to IEC 60127-2 (VDE0820T.2 BI 1) rated current (A):0.10 fast

Rated voltage 250 V 0.20 fast

Rated switch-off capacity 1500 A 0.25 fast

(at 250 V, 50 Hz, cos φ = 0.7) 0.50 fast

1.0 fast

1.6 fast

2.0 fast

2.5 fast

3.15 fast

4.0 fast

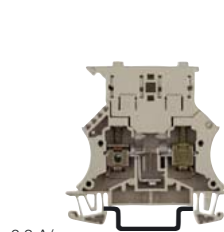
5.0 fast

6.3 fast

Mounting rails, end bracket, marking material see "Accessories"

WSI 6

for metric fuses



6.3 A/-

8/60/60

12 mm/M 3.5/4.0 x 0.8

500 V²⁾ /6.3 A¹⁾ /6 mm²

6 kV/3

0.8...1.6

3

0.5...10

1.5...10

0.5...10

0.5...6

0.5...6

0.5...10 A 5

26

300 V/10 A/20...8 AWG

300 V/10 A/20...8 AWG

Type	Cat. No.	Qty.
WAP	1050000000	50
WTW 2.5-10	1050100000	20

Disconnect terminal with contact sleeve 1028200000 50

Type	Cat. No.	Qty.
WAP	1050000000	50
WTW 2.5-10	1050100000	20

Provide partition behind the last WSI 6

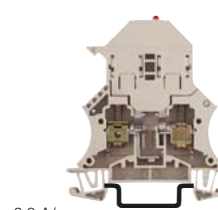
Type	Cat. No.	Qty.
QL 2	0194300000	50
QL 3	0194400000	50
QL 4	0194500000	50
QL 10	0338300000	20
BS-M 3x5	1052100000	100
PS 2.3	0180400000	20
WAW 2	9004510000	1

Type	Cat. No.	Qty.
0.2 med. blow	0546900000	10
0.5 med. blow	0510300000	10
0.8 med. blow	0646400000	10
1 med. blow	0265800000	10
10 med. blow	0193100000	10
2 fast	0192700000	10
4 fast	0192800000	10
6.3 fast	0192900000	10

Type	Cat. No.	Qty.
0.10 fast	0430300000	10
0.20 fast	0430400000	10
0.25 fast	0430500000	10
0.50 fast	0430600000	10
1.0 fast	0430700000	10
1.6 fast	0430800000	10
2.0 fast	0430900000	10
2.5 fast	0431000000	10
3.15 fast	0431100000	10
4.0 fast	0431200000	10
5.0 fast	0431300000	10
6.3 fast	0431400000	10

WSI 6 LD

with LED indicator for DC or AC voltage



6.3 A/-

8/60/70

12 mm/M 3.5/4.0 x 0.8

500 V²⁾ /6.3 A¹⁾ /6 mm²

6 kV/3

0.8...1.6

3

0.5...10

1.5...10

0.5...10

0.5...6

0.5...6

0.5...10 A 5

26

300 V/10 A/20...8 AWG

300 V/10 A/20...8 AWG

Type	Cat. No.	Qty.
WAP	1050000000	50
WTW 2.5-10	1050100000	20

Disconnect terminal with contact sleeve 1028200000 50

Type	Cat. No.	Qty.
WAP	1050000000	50
WTW 2.5-10	1050100000	20

Type	Cat. No.	Qty.
QL 2	0194300000	50
QL 3	0194400000	50
QL 4	0194500000	50
QL 10	0338300000	20
BS-M 3x5	1052100000	100
PS 2.3	0180400000	20
WAW 2	9004510000	1

Type	Cat. No.	Qty.
0.2 med. blow	0546900000	10
0.5 med. blow	0510300000	10
0.8 med. blow	0646400000	10
1 med. blow	0265800000	10
10 med. blow	0193100000	10
2 fast	0192700000	10
4 fast	0192800000	10
6.3 fast	0192900000	10

Type	Cat. No.	Qty.
0.10 fast	0430300000	10
0.20 fast	0430400000	10
0.25 fast	0430500000	10
0.50 fast	0430600000	10
1.0 fast	0430700000	10
1.6 fast	0430800000	10
2.0 fast	0430900000	10
2.5 fast	0431000000	10
3.15 fast	0431100000	10
4.0 fast	0431200000	10
5.0 fast	0431300000	10
6.3 fast	0431400000	10

2-pole connection of LED

WSI 6 2 LD

with 2 LEDs for metric fuses, for DC or AC voltage

This item has been replaced by WSI 6 LD with the same functionality (see left side). Pay attention to the voltage ranges!

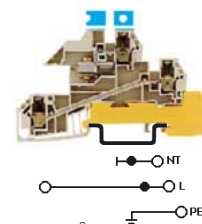
¹⁾ Maximum power loss 1.6 W

²⁾ Rated voltage 500 V for centrally arranged fuse inserts or contact sleeves

Distribution terminals for N rail 10 x 3

Terminals/accessories

WDL 2.5/S/ NT/L/PE



32 A/4 mm²



6/84.5/48.7

8 mm/M 2.5/3.5 x 0.6

VDE 0611 Part 4

250V/400V/24 A/2.5 mm²

250V/400 V/4 kV/3

0.4...0.6

1

Clampable conductors

Solid H07V-U mm² 0.5...4

Stranded H07V-R mm² 1.5...4

Flexible H07V-K mm² 0.5...4

Flexible H07V-K and ferrule acc. to DIN 46 228/1 mm² 0.25...2.5

Flexible H07V-K and ferrules with plastic insul. collar mm² 0.25...2.5

Max. clamping range in mm²/Gauge pin acc. to 60 947-7-1 Size 0.13...4 A 3

Cont. current of cross-connect. Q multi-pole A 24

UL/CSA rated data

Voltage/current/conductor size UL 300 V/15 A/22...12 AWG

Voltage/current/conductor size CSA 300 V/10 A/26...12 AWG

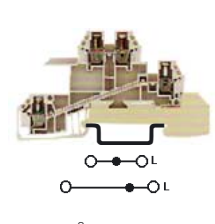
Ordering data Version

for TS 35 / Dark beige Wemid

Cat. No. Qty. 1030600000 50

(NT connection coded blue)

WDL 2.5/S/ L/L



32 A/4 mm²



6/84.5/48.7

8 mm/M 2.5/3.5 x 0.6

IEC 60 947-7-1

400 V/24 A/2.5 mm²

400 V/6 kV/3

0.4...0.6

1

Clampable conductors

Solid H07V-U mm² 0.5...4

Stranded H07V-R mm² 1.5...4

Flexible H07V-K mm² 0.5...4

Flexible H07V-K and ferrule acc. to DIN 46 228/1 mm² 0.25...2.5

Flexible H07V-K and ferrules with plastic insul. collar mm² 0.25...2.5

Max. clamping range in mm²/Gauge pin acc. to 60 947-7-1 Size 0.13...4 A 3

Cont. current of cross-connect. Q multi-pole A 24

UL/CSA rated data

Voltage/current/conductor size UL 300 V/15 A/22...12 AWG

Voltage/current/conductor size CSA 300 V/10 A/26...12 AWG

Ordering data Version

for TS 35 / Dark beige Wemid

Cat. No. Qty. 1031200000 50

Installation specifications for heavy-current installations up to 1000 V (according to VDE 0100; IEC 364) require an insulation measurement test of the erected installation. Special regulations stipulate an insulation measurement of all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections. These requirements are met by the three-way terminal WDL. Circuits can be connected on three levels across a width of only 6 mm in a clear and space-saving manner.

WDL 2.5/S...

N cross-connection with the proven busbar system 10 x 3 mm up to 140 A. The supply power of the busbar is fed directly via a separate clamping yoke (ZB 35) or a N disconnect terminal from the WNT-series.

WDL 2.5/S/L/L

Three-phase circuits can be realized by combining three-way terminals (L 1, NT, PE) with WDL 2.5/S/L/L two-way terminals (L 2, L 3).

End plate



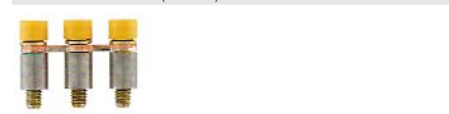
Support plate



Small partition for Q



Cross-connection (L/N/NT)



Busbar 10 x 3

Distance f. upper edge busbar to upper edge of TS 35 = 25.5 mm

Cu 140 A

Clamping yoke

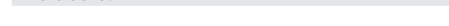


N-Disconnect terminal

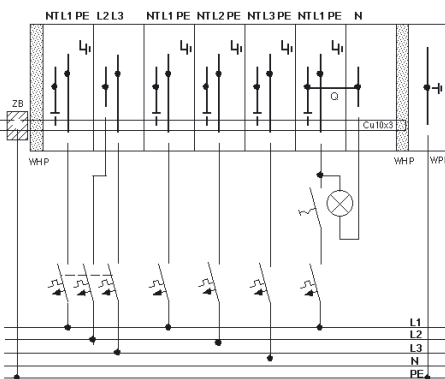
as input terminals



End bracket



Marking tags



Type Cat. No. Qty.

WAP WDL 2.5/S

1067700000 20

WHP WDL 2.5/S

1067980000 20

TSch 1 0319160000 100

Q 2 1071500000 50

Q 3 1071600000 50

Q 4 1071700000 50

Q 10 1071800000 20

Q 20 1074200000 20

SSch 10 x 3 Cu

0348900000 1 m

ZB 35 K 0502680000 50

WNT 10 1010980000 50

WNT 16 N 1019000000 50

WNT 70 N 9512210000 10

WEW 35 / 2 1061200000 50

DEK 6 see "Accessories"

WS 8/5 1640740000 720

WS 8/5 1773360000 300

Type Cat. No. Qty.

WAP WDL 2.5/S

1067700000 20

Distribution terminals for N rail 10 x 3

WDL 2.5/S blocks for a three-phase circuit for three AC circuits



32 A/4 mm ²
12/18/84.5/48.7
8 mm/M 2.5/3.5 x 0.6
250V/400V/24 A/2.5 mm ²
250V/400V/4 kV/3
0.4...0.6
1
0.5...4
1.5...4
0.5...4
0.25...2.5
0.25...2.5
0.13...4
24
300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
Block of 3; 1030600000
= 1034200000 25
Block of 1 à 1 piece 1030600000 a.
1031200000 = 1034100000 20
Type Cat. No. Qty.

WAP WDL 2.5/S
1067700000 20

WHP WDL 2.5/S
1067980000 20

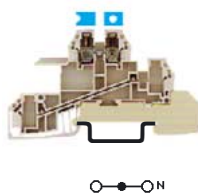
TSch 1	0319160000 100
Q 2	1071500000 50
Q 3	1071600000 50
Q 4	1071700000 50
Q 10	1071800000 20
Q 20	1074200000 20

SSch 10 x 3 Cu	
	0348900000 1 m
ZB 35 K	0502680000 50

WNT 10	1010980000 50
WNT 16 N	1019000000 50
WNT 70 N	9512210000 10

WEW 35 / 2	1061200000 50
DEK 6	see "Accessories"
WS 8/5	1640740000 720
WS 8/5	1773360000 300

WDL 2.5/S/N



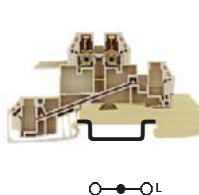
32 A/4 mm ²
6/84.5/48.7
8 mm/M 2.5/3.5 x 0.6
IEC 60 947-7-1
400 V/24 A/2.5 mm ²
400 V/6 kV/3
0.4...0.6
1
0.5...4
1.5...4
0.5...4
0.25...2.5
0.25...2.5
0.13...4
24
300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
Block of 10; 1030900000
(N connection coded blue)
= 1030900000 50
Type Cat. No. Qty.

WAP WDL 2.5/S
1067700000 20

TSch 1	0319160000 100
Q 2	1071500000 50
Q 3	1071600000 50
Q 4	1071700000 50
Q 10	1071800000 20
Q 20	1074200000 20

WEW 35 / 2	1061200000 50
DEK 6	see "Accessories"
WS 8/5	1640740000 720
WS 8/5	1773360000 300

WDL 2.5/S/L



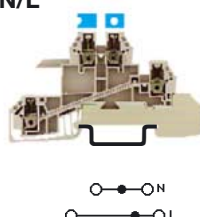
32 A/4 mm ²
6/84.5/48.7
8 mm/M 2.5/3.5 x 0.6
IEC 60 947-7-1
400 V/24 A/2.5 mm ²
400 V/6 kV/3
0.4...0.6
1
0.5...4
1.5...4
0.5...4
0.25...2.5
0.25...2.5
0.13...4
24
300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
Block of 10; 1031300000
(N connection coded blue)
= 1031300000 50
Type Cat. No. Qty.

WAP WDL 2.5/S
1067700000 20

TSch 1	0319160000 100
Q 2	1071500000 50
Q 3	1071600000 50
Q 4	1071700000 50
Q 10	1071800000 20
Q 20	1074200000 20

WEW 35 / 2	1061200000 50
DEK 6	see "Accessories"
WS 8/5	1640740000 720
WS 8/5	1773360000 300

WDL 2.5/S/ N/L



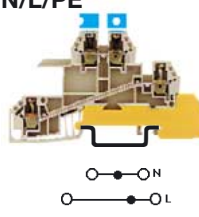
32 A/4 mm ²
6/84.5/48.7
8 mm/M 2.5/3.5 x 0.6
IEC 60 947-7-1
400 V/24 A/2.5 mm ²
400 V/6 kV/3
0.4...0.6
1
0.5...4
1.5...4
0.5...4
0.25...2.5
0.25...2.5
0.13...4
24
300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
Block of 10; 1030800000
(N connection coded blue)
= 1030800000 50
Type Cat. No. Qty.

WAP WDL 2.5/S
1067700000 20

TSch 1	0319160000 100
Q 2	1071500000 50
Q 3	1071600000 50
Q 4	1071700000 50
Q 10	1071800000 20
Q 20	1074200000 20

WEW 35 / 2	1061200000 50
DEK 6	see "Accessories"
WS 8/5	1640740000 720
WS 8/5	1773360000 300

WDL 2.5/S/ N/L/PE



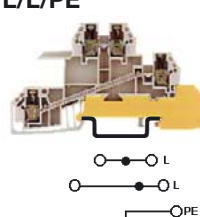
32 A/4 mm ²
6/84.5/48.7
8 mm/M 2.5/3.5 x 0.6
250V/400V/24 A/2.5 mm ²
250V/400 V/4 kV/3
0.4...0.6
1
0.5...4
1.5...4
0.5...4
0.25...2.5
0.25...2.5
0.13...4
24
300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
Block of 10; 1030700000
(N connection coded blue)
= 1030700000 50
Type Cat. No. Qty.

WAP WDL 2.5/S
1067700000 20

TSch 1	0319160000 100
Q 2	1071500000 50
Q 3	1071600000 50
Q 4	1071700000 50
Q 10	1071800000 20
Q 20	1074200000 20

WEW 35 / 2	1061200000 50
DEK 6	see "Accessories"
WS 8/5	1640740000 720
WS 8/5	1773360000 300

WDL 2.5/S/ L/L/PE



32 A/4 mm ²
6/84.5/48.7
8 mm/M 2.5/3.5 x 0.6
250V/400V/24 A/2.5 mm ²
250V/400 V/4 kV/3
0.4...0.6
1
0.5...4
1.5...4
0.5...4
0.25...2.5
0.25...2.5
0.13...4
24
300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
Block of 10; 1031100000
(N connection coded blue)
= 1031100000 50
Type Cat. No. Qty.

WAP WDL 2.5/S
1067700000 20

TSch 1	0319160000 100
Q 2	1071500000 50
Q 3	1071600000 50
Q 4	1071700000 50
Q 10	1071800000 20
Q 20	1074200000 20

WEW 35 / 2	1061200000 50
DEK 6	see "Accessories"
WS 8/5	1640740000 720
WS 8/5	1773360000 300

Distribution terminals with N cross-connection WQV

Terminals/accessories

Installation specifications for heavy-current installations up to 1000 V (according to VDE 0100; IEC 364) require an insulation measurement test of the erected installation. Special regulations stipulate an insulation measurement of all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections. These requirements are met by the three-way terminal WDL. Circuits can be connected on three levels across a width of only 6 mm in a clear and space-saving manner.

WDL 2.5...

N cross-connection with the cross-connection system WQV 4 from the W-series. The supply power of the busbar is fed directly via a clamping yoke ($4/6 \text{ mm}^2 = \text{A } 4$) into the terminal up to 32 A.

WDL 2.5/L/L

Three-phase circuits can be realized by combining three-way terminals (L 1, NT, PE) with WDL 2.5/S/L/L two-way terminals (L 2, L 3).

Max. technical data

Dimensions / approvals

Width/length/height (mm) with TS 35 x 7.5 
Insulation stripping length/clamping screw/screwdriver blade

Rated data

Rated voltage/current/cross-section
Rated voltage/impulse voltage/pollution severity

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

Clampable conductors

Solid H07V-U mm²
Stranded H07V-R mm²
Flexible H07V-K mm²
Flexible H07V-K and ferrule acc. to DIN 46 228/1 mm²
Flexible H07V-K and ferrules with plastic insul. collar mm²
Max. clamping range in mm²/Gauge pin acc. to 60 947-7-1 Size
Cont. current of cross-connect. Q multi-pole A
Cont. current of cross-connect. WQV 4 multi-pole A

UL/CSA rated data

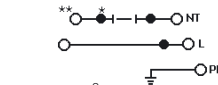
Voltage/current/conductor size UL
Voltage/current/conductor size CSA

Ordering data

Version

for TS 35 / Dark beige Wemid

WDL 2.5/NT/L/PE



32 A/4 mm²



6/90/48.7

8 mm/M 2.5/3²/3.5 x 0.6

VDE 0611 Part 4

250V/400V/24 A/2.5/4² mm²
250V/400 V/4 kV/3

WDL 2.5/L/L



32 A/4 mm²



6/90/48.7

8 mm/M 2.5/3²/3.5 x 0.6

IEC 60 947-7-1

400 V/24 A/2.5/4² mm²
400 V/6 kV/3

0.5...0.6

1

0.5...4/6²

1.5...4/6²

0.5...4/6²

0.5...2.5²

0.5...2.5²

0.13...4 A 3/A 4²

24

29 (central feed 40A)

300 V/15 A/22...12 AWG

300 V/10 A/26...12 AWG

 Cat. No. Qty.

1029800000 50

(NT connection

coded blue)

0.5...0.6

1

0.5...4/6²

1.5...4/6²

0.5...4/6²

0.5...2.5²

0.5...2.5²

A 3/A 4²

24

31

300 V/15 A/22...12 AWG

300 V/10 A/26...12 AWG

 Cat. No. Qty.

1030300000 50

Type Cat. No. Qty.

WAP WDL 2.5

1067800000 20

Type Cat. No. Qty.

WAP WDL 2.5

1067800000 20

End plate



Small partition



Cross-connection (L, NT, N)



Cross-connection¹⁾ input (L, NT, N)



Notching tool for WQV



End bracket

Marking tags



DEK Standard
WS White neutral
WS indiv. printed

Print

WEW 35 / 2 **1061200000** 50

DEK 6 see "Accessories"

WS 8/5 **1640740000** 720

WS 8/5 **1773360000** 300

WEW 35 / 2 **1061200000** 50

DEK 6 see "Accessories"

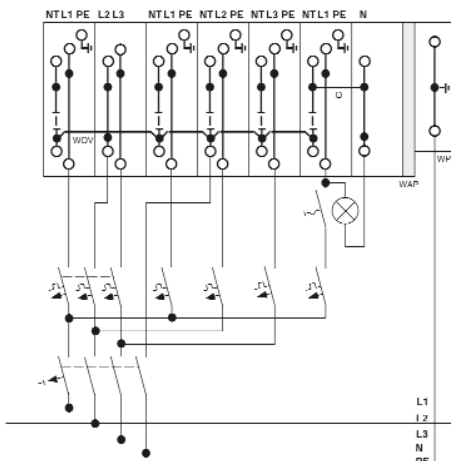
WS 8/5 **1640740000** 720

WS 8/5 **1773360000** 300

Mounting rails, end brackets, further marking materials see "Accessories"

¹⁾ Cross-connection WQV 4

²⁾ Values refer to top left clamping unit (A4)



Terminals for temperature measuring circuits

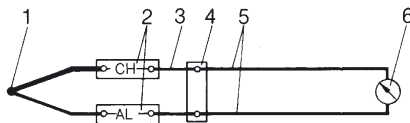
WDU 2.5/TC



Weidmüller thermocouple terminals are specially designed to transmit very small voltages in temperature measuring circuits. Special busbars ensure that no false signals are transmitted in the terminal when temperature differences between the positive and negative paths exist. This high measuring precision is required, for example, in aircraft engine performance test rigs, complicated chemical processes, controllers, etc.

- Busbar material corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Stacking width 10 mm

Configuration of a temperature measuring circuit



- 1 Thermocouple (sensor) 4 Reference junction
2 Thermocouple terminals 5 Supply conductors (to and from)
3 Compensating conductor 6 Measuring instrument

The thermocouple terminals shown in this measuring circuit thermoelectrically transmit thermoelectric voltage from the thermocouple to the reference junction and the indicator unit via the compensating conductor. Thermocouple terminals are required for constructing a temperature circuit.

Technical data

Thermocouples acc. to IEC 584 (DIN 43 710)

Busbar	
	Cromel Alumel
	E-Copper Constantan
	Iron Konstantan
	E-Copper/ A-Copper
	S-Copper/ E-Copper
	Cromel- Constantan

Dimensions/approvals

Width/length/height (mm) with TS 35 x 7.5
Insulation stripping length/clamping screw/screwdriver blade

Rated data

Rated voltage/current/cross-section
Rated impulse voltage acc. to VDE 0110/1.89/pollution severity

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

Clampable conductors

Solid H07V-U mm²
Stranded H07V-R mm²
Flexible H07V-K mm²
Flexible H07V-K and ferrule acc. to DIN 46 228/1 mm²
Flexible H07V-K and ferrules with plastic insul. collar mm²
Max. clamping range in mm²/Gauge pin acc. to IEC 60 947-7-1 Size
Cont. current of cross-connect. 2-pole A
Cont. current of cross-connect. multi-pole A

UL/CSA rated data

Voltage/current/conductor size UL
Voltage/current/conductor size CSA

Ordering data

For thermocouples Type K NiCr – Ni
acc. to IEC 584 Type T Cu – CuNi
(DIN 43710) Type J Fe – CuNi
Type S u. R PT 10% – Pt Rh/PT 13% – Pt Rh
Type B Pt 30% Rh – Pt 6% Rh
Type E NiCr – CuNi
Type N NiSi – Nicrosil

End plate

WAP (thickness 1.5 mm) Dark beige Wemid

Partition

WTW (thickness 1.5 mm) Dark beige Wemid

10/60/50.5

10 mm/M 2.5/3.5 x 0.6

–/–/2.5 mm²

0.4...0.6

1

0.5...2.5

1.5...2.5

0.5...2.5

0.5...2.5

0.5...2.5

0.13...4

A 2

	Cat. No.	Qty.
	1024100000	50
	1024200000	50
	1024300000	50
	1024400000	50
	1033700000	50
	1033300000	50
	1041500000	50

Type	Cat. No.	Qty.
WAP 2.5-10	1050000000	50

WTW 2.5-10	1050100000	20
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Marking tags

DEK Standard
WS white neutral
WS indiv. printed

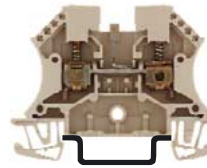
Print

DEK 5	see "Accessories"	
WS 12/5	1609860000	720
WS 12/5	1773380000	300

Mounting rails, end brackets, further marking materials see "Accessories"

Feed-through terminals with WSA plug adapter

WDU 4 SA



Dimensions/approvals	
Width/length/height (mm)	with TS 35 x 7.5
Insulation stripping length/clamping screw/screwdriver blade	10 mm/M 3/3.5 x 0.6
Rated data	
Rated voltage/current/cross-section	400 V/34 A/4 mm ²
Rated impulse voltage acc. to VDE 0110/1.89/pollution severity	6 kV/3
Further technical data	
Tightening torque range	Nm 0.5...1.0
Torque setting with DMS 2 electric screwdriver	2
Clampable conductors	
Solid H07V-U	mm ² 0.5...6
Stranded H07V-R	mm ² 1.5...6
Flexible H07V-K	mm ² 0.5...4
Flexible H07V-K and ferrule acc. to DIN 46 228/1	mm ² 0.5...4
Flexible H07V-K and ferrules with plastic insul. collar	mm ² 0.5...4
Max. clamping range in mm ² /Gauge pin acc. to IEC 60 947-7-1 Size	0.13...6 A 4
Cont. current of cross-connect. 2-pole	A
Cont. current of cross-connect. multi-pole	A
UL/CSA rated data	
Voltage/current/conductor size	UL 300 V/25 A/22...12 AWG
Voltage/current/conductor size	CSA 300 V/-/22...12 AWG
Ordering data	
	Dark beige Wemid
	Blue Wemid

End plate	Type	Cat. No.	Qty.
WAP (thickness 1.5 mm)	WAP 2.5-10	1050000000	50
	WAP 2.5-10	1050080000	50

Partition	Type	Cat. No.	Qty.
WTW (thickness 1.5 mm)	WTW 2.5-10	1050100000	20
	WTW 2.5-10	1050180000	20

Cross-connection	Type	Cat. No.	Qty.
Screening bar LS 2.8	LS 2.8	1056400000	50

Plug adapter WSA 2	Type	Cat. No.	Qty.
380 V~/10 A/1.5 mm ² Version with Crimp connections	WSA 2 ¹⁾	0502360000 ³⁾	20
	WSA 2 ²⁾	0529760000 ³⁾	20
Version with screw connection TOPP system	WSA 2 TOP ¹⁾	1333960000 ³⁾	20
	WSA 2 TOP ²⁾	1333860000 ³⁾	20
	WSA 2 TOP ²⁾	1334050000 ³⁾	20
	WSA 2 TOP ²⁾	1333760000 ⁴⁾	20

Covers	Type	Cat. No.	Qty.
	AH 2/3	0531660000	20
	AH 2/4	0405360000	20
	AH 2/5	0405560000	20

Crimp contact 0.5-1.5 mm ²	Type	Cat. No.	Qty.
	AH 2/12	0406160000	20
	C 1 E/L ⁵⁾	0198500000	200

Marking tags	Print	Type	Cat. No.	Qty.
DEK	Standard	DEK 6	see "Accessories"	
WS	neutral	WS 12/6	1609900000	600
WS	indiv. printed	WS 12/6	1609910000	120

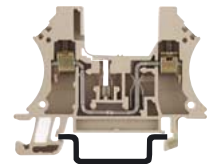
Mounting rails, end brackets, further marking materials see "Accessories"

¹⁾ With hook ³⁾ With dovetail ⁵⁾ Crimping tool, type CZ 22E 0560400000
²⁾ without Rasthaken ⁴⁾ Without dovetail

Feed-through terminals

for retrofitting electronic components

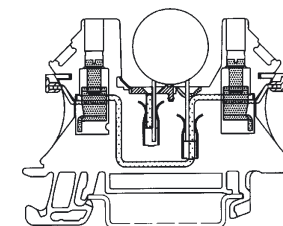
WPO 4



Dimensions/approvals	
Width/length/height (mm)	with TS 35 x 7.5
Insulation stripping length/clamping screw/screwdriver blade	9 mm/M 3/3.5 x 0.6
Rated data IEC 60 947-7-1	
Rated voltage/current/cross-section	250 V/32 A/4 mm ²
Rated impulse voltage acc. to VDE 0110/1.89 /pollution severity	4 kV/3
Further technical data	
Tightening torque range	Nm 0.5...1.0
Torque setting with DMS 2 electric screwdriver	2
Clampable conductors	
Solid H07V-U	mm ² 0.5...4
Stranded H07V-R	mm ² 1.5...4
Flexible H07V-K	mm ² 0.5...4
Flexible H07V-K and ferrule acc. to DIN 46 228/1	mm ² 0.5...4
Flexible H07V-K and ferrules with plastic insul. collar	mm ² 0.5...4
Max. clamping range in mm ² / Gauge pin acc. to 60 947-1 Size	0.13...4 A 3
Wire diameter of electronic components	mm 0.8...1.0 mm
UL/CSA rated data	
Voltage/current/conductor size	UL 300 V/10 A/26...12 AWG
Voltage/current/conductor size	CSA 300 V/10 A/26...12 AWG
Ordering data	
	Dark beige Wemid

Barrier	Type	Cat. No.	Qty.
Thickness 2.5 mm	ZR	1071100000	20

Busbar	Type	Cat. No.	Qty.
	SSch 7.3x1.2	1071200000	1 m



WPO 4 with fitted varistor
 Weidmüller varistor terminals have been designed for retrofitting electronic components, such as varistors, diodes, gas discharge tubes, etc.
 These electronic terminals no longer have to be configured prior installation to subsequently be delivered with soldered components which can no longer be distinguished.
 The significant advantages of this design are:

- **Cost saving**
Components can be changed quickly on site.
Service is limited to visual inspection
- **Clarity:**
Components are easy to distinguish.
- **Flexibility:**
Components can immediately be adapted to changed conditions.

Note:
 Never change electronic components in energized systems

Marking tags	Print	Type	Cat. No.	Qty.
DEK	Standard	DEK 6	see "Accessories"	
WS	neutral	WS 12/6	1609900000	600
WS	indiv. printed	WS 12/6	1609910000	120

Overvoltage in a three-phase supply discharged to earth via WPE 4 with the aid of varistors and a gas discharge tube.

When using the screening bar rated data is reduced data!

Feed-through terminals

WDU 2.5 F



WDU 2.5 FF



WDK 2.5 F



WDK 2.5 FV



Max. technical data

Dimensions/approvals

Width/length/height (mm) with TS 35 x 7.5

Insulation stripping length/clamping screw/screwdriver blade

Rated data

Rated voltage/current/cross-section

Rated cross-section of clamping yoke

Rated cross-section of 2.8 mm push-on tab/solder connection

Rated impulse voltage acc. to VDE 0110/1.89/pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductors

Solid H07V-U mm²

Stranded H07V-R mm²

Flexible H07V-K mm²

Flexible H07V-K and ferrule acc. to DIN 46 228/1 mm²

Flexible H07V-K and ferrules with plastic insul. collar mm²

Max. clamping range in mm²/Gauge pin acc. to IEC 60 947-7-1 Size

Cont. current of cross-connect. 2-pole A

Cont. current of cross-connect. multi-pole A

UL/CSA rated data

Voltage/current/conductor size UL

Voltage/current/conductor size CSA

Ordering data

Version

Dark beige Wemid

Dark beige Wemid

Dark beige Wemid

Dark beige Wemid

Blue Wemid

End plate/partition



Wemid

Blue Wemid

Wemid

WAP (thickness 3 mm)

WAP 2.5 (thickness 1.5 mm)

WTW (thickness 1.5 mm) Wemid

Cross-connection



WQV

LS 2.8

Screening bar

Notching tool for WQV

Test adapter

WTA

TA 1



Strain relief

Test plugs/sockets/insulating sleeves

PS 2.3

StB 8.5

Insulating sleeves



Cover



WAD with symbol

WAD white for self-labelling

Group marking

WT 4

T 5

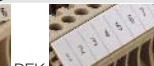


WGB



Tag carrier for S 10 markers

Marking tags



Standard

WS white neutral

WS indiv. printed

12 A/-

UL KEMA LR

5/60/47

10 mm/M 2.5/3.5 x 0.6

500 V m. IH/12 (2x6) A

2.5 mm²

1 / - mm²

6 kV/3

0.4...0.8

1

0.5...4

1.5...4

0.5...4

0.5...2.5

0.5...2.5¹⁾

0.13...4 A 3

12

12

300 V/10 A/22...12 AWG

300 V/10 A/26...12 AWG

Type Cat. No. Qty.

1021800000 100

12 A/-

UL KEMA LR

5/60/47

10 mm/-

500 V m. IH/12 (2x6) A

1 / - mm²

6 kV/3

0.4...0.6

1

0.5...1

0.5...2.5

0.5...2.5

0.5...2.5

0.5...2.5¹⁾

0.13...4 A 3

12

12

300 V/10 A/22...12 AWG

300 V/10 A/26...12 AWG

Type Cat. No. Qty.

1021900000 100

12 A/-

UL KEMA LR

5/69/63

10 mm/M 2.5/3.5 x 0.6

400 V m. IH/12 (2x6) A/2.5

2.5 mm²

1 / - mm²

6 kV/3

0.4...0.6

1

0.5...4/1

1.5...2.5

0.5...2.5

0.5...2.5

0.5...2.5¹⁾

0.13...4 A 3

32

32

300 V/10 A/22...12 AWG

300 V/10 A/26...12 AWG

Type Cat. No. Qty.

1021600000 100

12 A/-

UL KEMA LR

5/69/63

10 mm/M 2.5/3.5 x 0.6

400 V m. IH/12 (2x6) A/2.5

2.5 mm²

1 / - mm²

6 kV/3

0.4...0.6

1

0.5...4/1

1.5...2.5

0.5...2.5

0.5...2.5

0.5...2.5¹⁾

0.13...4 A 3

32

32

300 V/10 A/22...12 AWG

300 V/10 A/26...12 AWG

Type Cat. No. Qty.

1022400000 100

1) Ferrules with optimum diameter for terminals with 5 mm pitch: Cat. No. 1333100000

When using the screening bar rated data is reduced data!

W-series

- 1) with Insulating sleeves
- 2) Touch-safe with prof. material for cover ADP4

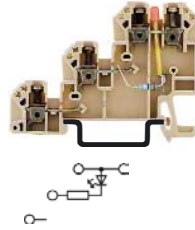
Feed-through terminals for initiators and actuators

DLI 2.5 DB



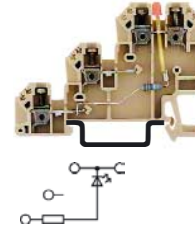
6/65/49
7 mm/M 2.5/3.5 x 0.6

DLI 2.5 LD DB PNP



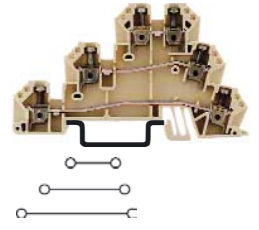
6/65/49
7 mm/M 2.5/3.5 x 0.6

DLI 2.5 LD DB NPN



6/65/49
7 mm/M 2.5/3.5 x 0.6

DLD 2.5 DB²⁾



6/82/49
7 mm/M 2.5/3.5 x 0.6

Dimensions/approvals

Width/length/height (mm)	with TS 35 x 7.5
Insulation stripping length/clamping screw/screwdriver blade	

Rated data IEC 60 947-7-1

Rated voltage/current/cross-section	250 V/20 A/2.5 mm ²
Rated impulse voltage/pollution severity	4 kV/3

Further technical data

Tightening torque range	Nm 0.4...0.6
Torque setting with DMS 2 electric screwdriver	1

Clampable conductors

Solid H07V-U	mm ² 0.5...4
Stranded H07V-R	mm ² 1.5...4
Flexible H07V-K	mm ² 0.5...4
Flexible H07V-K and ferrule acc. to DIN 46 228/1	mm ² 0.25...2.5
Gauge pin acc. to IEC 60 947-7-1	Size A 3
Continuous current of terminal for conductor size	20 A/2.5 mm ²
Cont. current of cross-connect. 2...5-pole	A (Q 2...10) 20
Cont. current of cross-connect. 6...10-pole	A

UL/CSA rated data

Voltage/current/conductor size	UL 300 V/10 A/26...12 AWG
Voltage/current/conductor size	CSA 300 V/10 A/26...12 AWG

Ordering data

Standard Wemid	Cat. No.	Qty.
with diode 1N4007 Wemid	1783820000	100
With red LED (5...30 V) Wemid		
With green LED (5...30 V) Wemid		
with LED and diode 1N4007 Wemid		
with LED and diode 1N4007 Wemid		
Block of 10 ¹⁾ Wemid	(w/o dekafix) 1783850000	10
Block of 10 ¹⁾ Wemid	(w. dekafix) 1783830000	10
Fuse inserts Wemid		

End plate/small partition

AP-DLI	AP-DLD	Part-AP	TSch 1
			(thickness 1.5 mm)
Type	Cat. No.	Qty.	
AP	1783550000	20	
TSch 1	0319160000	100	

Test plug/socket

	StB 8.5 	PS
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Cross-connection

Q 3	Q 2	1312500000	50
Q 3	Q 3	1312600000	50
Q 4	Q 4	1312700000	50
Q 10	Q 10	1313100000	20
Q 20	Q 20	1399800000	20

VQB



Snap fit, external cross-connection VQB 1.5.

For cross-connections for more than 20 terminals, replace VH with VH 4.2
Cat. No. 1345800000
without internal thread

Group marking

WT 4	WT 4	1341060000	100
SF 10	SF 10	0332400000	1000
SG 10	SG 10	0332500000	1000

Cover



ADP	ADP	0485400000	20
HP 4	HP 4	0485860000	20

Marking tags

	1	2	3	4	5	6
	FW/FS/...					

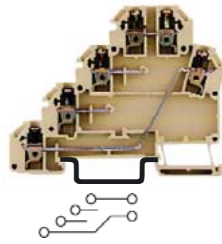
Mounting rails, end brackets, further marking materials see "Accessories"

¹⁾ DLI 2.5/35/10 = Block of 10 with built-in cross-connections

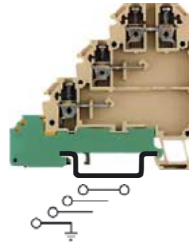
²⁾ StB 8.5 only in upper busbar

Feed-through terminals for initiators and actuators

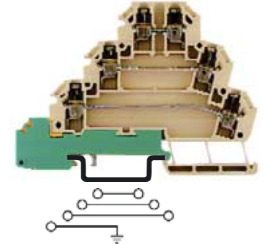
VLI 1.5



VLI 1.5PE



MAK 2.5



Dimensions/approvals

Width/length/height (mm)	with TS 35 x 7.5
Insulation stripping length/clamping screw/screwdriver blade	



6/79/64
8 mm/M 2.5/3.5 x 0.6



6/69/63
8 mm/M 2.5/3.5 x 0.6



6/88/64
8 mm/M 2.5/3.5 x 0.6

Rated data IEC 60 947-7-1

Rated voltage/current/cross-section

250 V/17.5 A/1.5 mm²

250 V/17.5 A/1.5 mm²

500 V (L-L)/250 V (L-PE)/ 24 A/2.5 mm²

Rated impulse voltage/pollution severity

4 kV/3

4 kV/3

6 kV/3

Further technical data

Tightening torque range	Nm
Torque setting with DMS 2 electric screwdriver	

0.4...0.6^{d)}
1

0.4...0.6
1

0.4...0.6
1

Clampable conductors

Solid H07V-U	mm ²
Stranded H07V-R	mm ²
Flexible H07V-K	mm ²
Flexible H07V-K and ferrule acc. to DIN 46 228/1	mm ²
Flexible H07V-K and ferrules with plastic insul. collar	mm ²
Gauge pin acc. to IEC 60 947-7-1	Size
Continuous current of terminal for conductor size	
Cont. current of cross-connect. , multi-pole	A

0.5...4.0
0.5...2.5
0.5...2.5
0.5...2.5
0.5...2.5
A3
24 A/2.5 mm²
24

0.5...4.0
0.5...2.5
0.5...4
0.5...2.5
0.5...2.5
A3
24 A/2.5 mm²
24

0.5...4.0
0.5...2.5
1.5...4
0.5...2.5
0.5...2.5
A3
31 A/4 mm²
24

UL/CSA rated data

Voltage/current/conductor size	UL
Voltage/current/conductor size	CSA

300 V/10 A/26...12 AWG
300 V/10 A/26...12 AWG

300 V/10 A/26...12 AWG
300 V/10 A/26...12 AWG

300 V/10 A/22...12 AWG
300 V/10 A/22...12 AWG

Ordering data

Version
Wemid

	Cat. No.	Qty.
	1784120000	50

	Cat. No.	Qty.
	1784130000	50

	Cat. No.	Qty.
	7917030000	50

	7917020000	50
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End plate/partition

End plate
Partial end plate for VLI1.5 – MAK2.5 combination
Partial end plate for VLI1.5 – VLI1.5PE combination
Partial end plate for VLI1.5PE – MAK2.5 combination

Type	Cat. No.	Qty.
AP VLI1.5	1784150000	20
TEAP2 MAK2.5	1782950000	20
TEAP VLI1.5	1784170000	20

Type	Cat. No.	Qty.
AP VLI1.5/PE	1784160000	20
TEAP VLI1.5	1784170000	20
TEAP1 MAK2.5	1782940000	20

Type	Cat. No.	Qty.
AP MAK2.5	7917000000	20
TEAP2 MAK2.5	1782950000	20
TEAP1 MAK2.5	1782940000	20

Cross-connection

VQB 50-pole, snap-fit, external cross-connection



QB 25-pole external cross-connection

VQB1.5/50BL ¹⁾	1633280000	5
VQB1.5/50RT ¹⁾	1633290000	5
VQB1.5/50SW ¹⁾	1635120000	5

VQB1.5/50BL ¹⁾	1633280000	5
VQB1.5/50RT ¹⁾	1633290000	5
VQB1.5/50SW ¹⁾	1635120000	5

VQB1.5/50BL ¹⁾	1633280000	5
VQB1.5/50RT ¹⁾	1633290000	5
VQB1.5/50SW ¹⁾	1635120000	5
QB 25 SW ¹⁾	0520000000	20
QB 25 RT ¹⁾	0520060000	20
QB 25 BL ¹⁾	0520080000	20

Group marking

Tag carrier
for S 10 markers

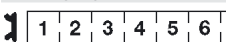
T 5	0348500000	100
SF 10	0332400000	1000
SG 10	0332500000	1000

T 5	0348500000	100
SF 10	0332400000	1000
SG 10	0332500000	1000

T 5	0348500000	100
SF 10	0332400000	1000
SG 10	0332500000	1000

Marking tags

Print



FW/FS/...

DEK 5	see "Accessories"
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DEK 5	see "Accessories"
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DEK 5	see "Accessories"
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Mounting rails, end brackets, further marking materials see "Accessories"

¹⁾ When using cross-connection bridges, the connection cross-section is reduced by one level.

W-series terminals with clamping yoke + spring

WTL 6 SL



WTD 6 SL



Dimensions/approvals

Width/length/height (mm)	with TS 35
Width/length/height (mm)	
Insulation stripping length/clamping screw/screwdriver blade	

Rated data

Rated voltage/current/cross-section	
Rated impulse voltage/pollution severity	

Further technical data

Tightening torque range	Nm
Torque setting with DMS 2 electric screwdriver	

Clampable conductors

Solid H07V-U	mm ²
Stranded H07V-R	mm ²
Flexible H07V-K	mm ²
Max. clamping range in mm ²	
Gauge pin acc. to IEC 60 947-1	

Hook-shaped cable lugs acc. to ESI 50-18 Part 2

Size 2 (x = 3 mm)	2 pieces
Size 1 (x = 4.6 mm)	2 pieces

UL/CSA rated data

Voltage/current/conductor size	UL
Voltage/current/conductor size	CSA

Ordering data

Version

	Dark beige Wemid
	Dark beige Wemid
	Black PA 66
	Black PA 66

Hook-shaped cable lugs

0.25–1.5 mm ² black
1.25–2.5 mm ² black

End plate/partition



Dark beige Wemid
Black PA 66

Cross-connection



8/83/50
8/83/49
16 mm/M 3.5/4.0 x 0.8

ESI

500 V/24 A/6mm ²
6 kV/3

0.8...1.4
3

0.5...10
1.5...10
0.5...6
0.5...10
A4

0.28...1.5/1...2.5
0.28...1.5/1...2.5

Type	Cat. No.	Qty.
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WTL 6 SL	9538070000	50
WTL 6 SL	9538080000	50
WTL 6 SL	9538020000	50
WTL 6 SL	9538030000	50

	9036290000	
	9036300000	

WAP	9538110000	20
WAP	9538060000	20

QL2	0194300000	50
QL3	0194400000	50
QL4	0194500000	50
QL10	0338300000	20
QVS	0292500000	100
VH 19	0318000000	100
QVS 2	0307300000	20
QVSK 2	1670360000	20
QVS 3	0329300000	20
QVS 4	0307400000	20

PS 4	0299600000	20
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StB 25 GE	0267200000	50
StB 25 GN	0271200000	50
StB 25 VI	0271300000	50
StB 35 GE	0389000000	50
StB 35 GN	0388900000	50
StB 35 VI	0389100000	50
StB 14	0169900000	50

Disconnect lock

SSP 3	0531760000	100
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Marking tags



Print

DEK	Standard
WS white	neutral
WS	indiv. printed

DEK 8	see "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

Mounting rails, end brackets, further marking materials see "Accessories"

8/83/50
8/83/49
16 mm/M 3.5/4.0 x 0.8

ESI

500 V/24 A/6mm ²
6 kV/3

0.8...1.4
3

0.5...10
1.5...10
0.5...6
0.5...10
A4

0.28...1.5/1...2.5
0.28...1.5/1...2.5

Type	Cat. No.	Qty.
------	----------	------

WTD 6 SL	9538090000	50
WTD 6 SL	9538100000	50
WTD 6 SL	9538040000	50
WTD 6 SL	9538050000	50

	9036290000	
	9036300000	

WAP	9538110000	20
WAP	9538060000	20

QL 2	0194300000	50
QL 3	0194400000	50
QL 4	0194500000	50
QL 10	0338300000	20
QVS	0292500000	100
VH 19	0318000000	100
QVS 2	0307300000	20
QVSK 2	1670360000	20
QVS 3	0329300000	20
QVS 4	0307400000	20

PS 4	0299600000	20
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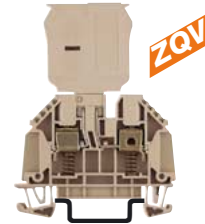
DEK 8	see "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

W-series terminals with clamping yoke + spring

WTR 4 SL



WTR 4 SI SL



Dimensions/approvals	
Width/length/height (mm)	with TS 35
Width/length/height (mm)	
Insulation stripping length/clamping screw/screwdriver blade	

	6/60/47
12.5/M3/3.5 x 0.6	

	6/60/52
12.5/M3/3.5 x 0.6	

Rated data	
Rated voltage/current/cross-section	
Rated impulse voltage/pollution severity	

500 V/24 A/4mm ²	
6 kV/3	

400 V/6.3 ³⁾ A/4mm ²	
6 kV/3	

Further technical data	
Tightening torque range	Nm
Torque setting with DMS 2 electric screwdriver	

0.5...1	
2	

0.5...1	
2	

Clampable conductors	
Solid H07V-U	mm ²
Stranded H07V-R	mm ²
Flexible H07V-K	mm ²
Max. clamping range in mm ²	
Gauge pin acc. to IEC 60 947-1	

0.5...6	
1.5...4	
0.5...4	
0.13...6	
A4	

0.5...6	
1.5...4	
0.5...4	
0.13...6	
A4	

Hook-shaped cable lugs acc. to ESI 50-18 Part 2	
Size 2 (x = 3 mm)	2 pieces
Size 1 (x = 4.6 mm)	2 pieces

0.28...1.5/1...2.5	
--------------------	--

0.28...1.5/1...2.5	
--------------------	--

UL/CSA rated data	
Voltage/current/conductor size	UL
Voltage/current/conductor size	CSA

300 V/22 A/22...10 AWG	
300 V ⁴⁾ /24 A/22...10 AWG	

300 V/6.3 A/22...12 AWG	
300 V/6.3 A/22...10 AWG	

Ordering data	
Version	
 Dark beige Wemid	WTR 4 SL
 Blue Wemid	WTR 4 SL
 Black PA 66	WTR 4 SL
 +  Dark beige Wemid	WTR 4 SL
 +  Blue Wemid	WTR 4 SL
 +  Black PA 66	WTR 4 SL

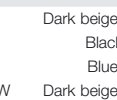
	With StB.2.3	Without StB	Qty.
WTR 4 SL	7910300000	7910270000	50
WTR 4 SL	7910310000	7910280000	50
WTR 4 SL	7910320000	7910290000	50
WTR 4 SL	7910390000	7910360000	50
WTR 4 SL	7910400000	7910370000	50
WTR 4 SL	7910410000	7910380000	50

	Without StB	Qty.
WTR 4 SI SL	7910330000	50
WTR 4 SI SL	7910350000	50
WTR 4 SI SL	7910420000	50
WTR 4 SI SL	7910440000	50

Hook-shaped cable lugs	
0.25–1.5 mm ² black	

9036290000	
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9036290000	
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End plate/partition	
 Dark beige Wemid	WAP
 Black PA 66	WAP
 Blue Wemid	WAP
 WTW	WTW

WAP	1050000000	50
WAP	1050010000	50
WAP	1050080000	50
WTW	1050100000	20

WAP	1050000000	50
WAP	1050010000	50
WAP	1050080000	50
WTW	1050100000	20

Cross-connection	
ZQV	2-pole
	3-pole
	4-pole
	10-pole
	41-pole
	neutral

ZQV 4N/2	1758250000	60
ZQV 4N/3	1762630000	60
ZQV 4N/4	1762620000	60
ZQV 4N/10	1758260000	20
ZQV 4N/41	1758270000	10
QB 75/6.2/15	0535200000	10
ISPF QB75 SW	0526700000	10
ISPF QB75 BL	0526780000	10
ISPF QB75 RT	0526760000	10

ZQV 4N/2	1758250000	60
ZQV 4N/3	1762630000	60
ZQV 4N/4	1762620000	60
ZQV 4N/10	1758260000	20
ZQV 4N/41	1758270000	10
QB 75/6.2/15	0535200000	10
ISPF QB75 SW	0526700000	10
ISPF QB75 BL	0526780000	10
ISPF QB75 RT	0526760000	10

Test plug	
PS 2.3	
Test adapter 	WTA 6

0180400000	20
1632380000	25

0180400000	20
1632380000	25

Fuse holder	
	for 5x20 SIHA
SIHA 2/G 20	400 V~
SIHA 2/G 20	12 V-/24 V~
SIHA 2/G 20	20-30 V-/40-60 V~
SIHA 2/G 20	40-60 V-/80-220 V~
SIHA 2/G 20	115 V-/230 V~

9537600000	25
9537610000	25
9537620000	25
9537630000	25
9537640000	25

9537600000	25
9537610000	25
9537620000	25
9537630000	25
9537640000	25

Marking tags	
	DEK
	WS
DEK	Standard
WS	neutral
WS	indiv. printed

DEK 6	see "Accessories"	
WS 12/6	1609900000	600
WS 12/6	1609910000	120

DEK 6	see "Accessories"	
WS 12/6	1609900000	600
WS 12/6	1609910000	120

Mounting rails, end brackets, further marking materials see "Accessories"

³⁾ Maximum power loss 1.6 W

⁴⁾ With WAP or WTW 600V/22 A

Terminals with electronic components

Incorporating electronic components into a terminal makes the connection point an active part of the installation. The unused space within a terminal can be sensibly used for signal indication, for suppressing sparks, or for signal conditioning. Weidmüller's range principally covers

Terminals with indicator

to display the switching state, signals and the operating voltage. This indication simplifies the start-up process, monitoring, servicing and repairs of the installation.

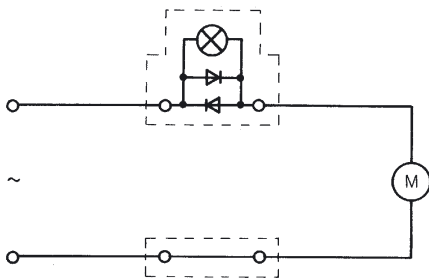
The range of terminals covers double-deck terminals for voltage/current monitoring, fuse terminals with outage display and disconnect test terminals for signalling disconnections.

Various coloured LEDs, glow lamps (low consumption) or regular bulbs are used for signal indication.

Typical applications are:

• Monitoring a ventilator motor

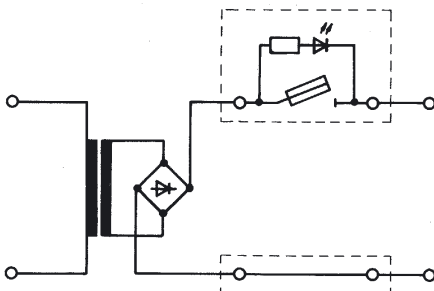
Displaying the current flow slows the operating status of the ventilator.



Typical example:

• Protecting a power supply

A lit LED shows a tripped fuse, whereby a small residual current is flowing through the terminal.



A status display without residual current is provided by the EGS fuse component.

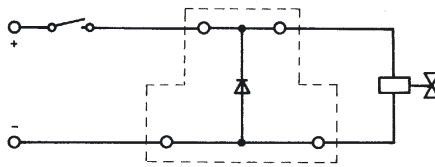
Terminal with diode

for suppressing inductivity or for linking signals.

Typical example:

• Eliminating sparks on switching a DC valve

The electromagnetic energy stored in the coil fades through the diode on opening the contact.

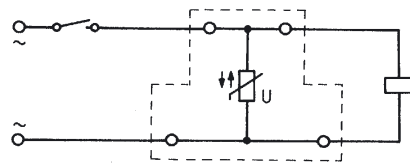


Typical example:

• Protecting contacts on switching an inductive AC load

A varistor limits the peak voltage on switching off the load.

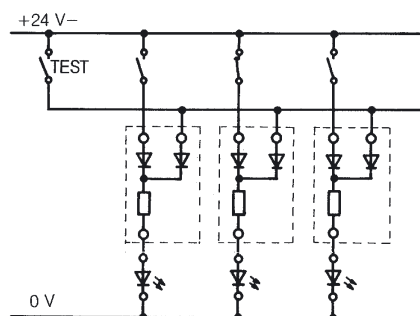
This prevents arcing and related burning of contacts.



Typical example:

• Test switch for LED display panels

The primary resistors for the LEDs are integrated into the terminal. Two diodes decouple control and test signals.



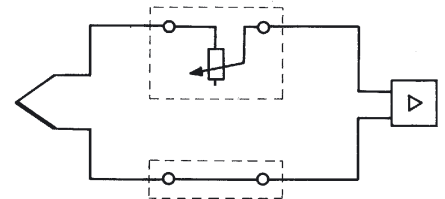
Compensating terminals

In measurement, control and regulation technology various cable lengths and tolerances in the sensors necessitate matching of the circuits.

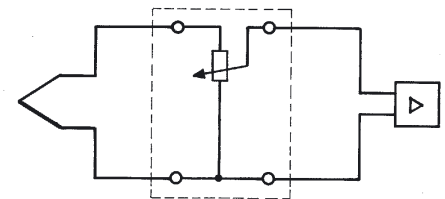
For this, we offer a combination of terminal and potentiometer an: Type SAKL 4.

Typical example:

• Temperature measurement



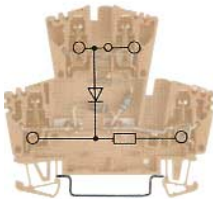
A further variation provides a **voltage distributor** in a terminal.



Terminals with indicator

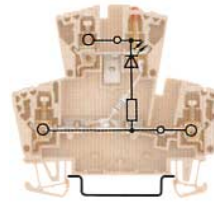
WDK 2.5 LD

Direct **voltage** indicator



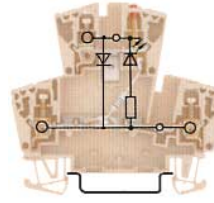
WDK 2.5 LD

Direct **voltage** indicator



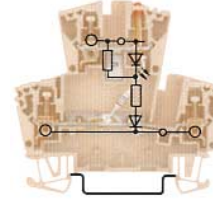
WDK 2.5 LD

Direct **voltage** indicator



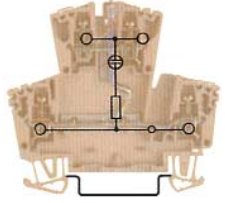
WDK 2.5 LD

Alternating **voltage** indicator



WDK 2.5 GL

Alternating **voltage** indicator



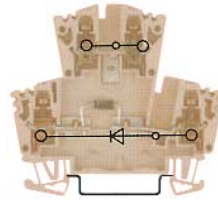
Dimensions	mm				
Length	69	69	69	69	69
Height (incl. TS 35x7.5)	63	63	63	63	63
Terminal width					
(+ assembly tolerance 0.2)	5	5	5	5	5
Insulation stripping length	10	10	10	10	10
Connection data					
Screw connection, flexible	0.5...2.5 mm ²	0.5...2.5 mm ²	0.5...2.5 mm ²	0.5...2.5 mm ²	0.5...2.5 mm ²
Conductor cross-connection	AWG 26...12	AWG 26...12	AWG 26...12	AWG 26...12	AWG 26...12
VDE rated data					
Current of through-busbar	10 A	10 A	10 A	10 A	10 A
Cross-section	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²
LED current	< 5 mA	< 5 mA	< 5 mA	< 5 mA	< 5 mA
				</	

Terminals with diodes

(Other versions on request)

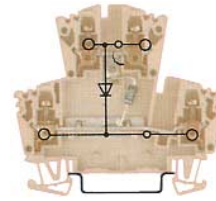
WDK 2.5 D

Diode terminal, e.g. reverse polarity protection



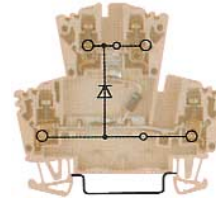
WDK 2.5 D

Arc suppression circuit for contactors and solenoid valves (DC voltage)



WDK 2.5 D

Arc suppression circuit for contactors and solenoid valves (DC voltage)

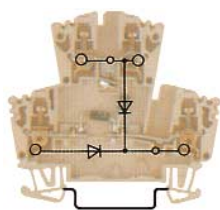


Dimensions								
Length	mm	69	69	69				
Height (incl. TS 35x7.5)	mm 	63	63	63				
Terminal width (+ assembly tolerance 0.2)	mm	5	5	5				
Insulation stripping length	mm	10	10	10				
Connection data								
Screw connection, flexible		0.5...2.5 mm ²	0.5...2.5 mm ²	0.5...2.5 mm ²				
Conductor cross-connection		AWG 26...12	AWG 26...12	AWG 26...12				
VDE rated data								
Voltage		380 V~	380 V~	380 V~				
Diode reverse voltage		1000 V	1000 V	1000 V				
Diode current		1 A	1 A	1 A				
Current of through-busbar		10 A	10 A	10 A				
Diode		1 N 4007	1 N 4007	1 N 4007				
Terminal colour								
		Dark beige Wemid	Dark beige Wemid	Dark beige Wemid				
Ordering data		Type	Cat. No.	Type	Cat. No.			
		WDK 2.5 D	8025610000	WDK 2.5 D	1023400000			
Accessories		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
Mounting rail (length 2 m)		TS 35 x 7.5	0383400000	2 m	TS 35 x 7.5	0383400000	2 m	
		slotted	0514500000	2 m	slotted	0514500000	2 m	
		TS 35 x 15	0498000000	2 m	TS 35 x 15	0498000000	2 m	
End bracket								
EW 35 (thickness 8.5 mm)		EW 35 (8.5)	0383560000	50	EW 35 (8.5)	0383560000	50	
End plate								
WAP (thickness 1.5 mm)		WAP	1059100000	100	WAP	1059100000	100	
Cross-connection (pre-assembled)								
2-pole		WQV 2.5	1053660000	50	WQV 2.5	1053660000	50	
3-pole		WQV 2.5	1053760000	50	WQV 2.5	1053760000	50	
4-pole		WQV 2.5	1053860000	50	WQV 2.5	1053860000	50	
10-pole		WQV 2.5	1054460000	50	WQV 2.5	1054460000	50	
Marking tags		Print						
		DEK	Standard	DEK 5	see "Accessories"	DEK 5	see "Accessories"	
		WS white	neutral	WS 8/5	1640740000	720	WS 8/5	1640740000
		WS	indiv. printed	WS 8/5	1773360000	300	WS 8/5	1773360000
Mounting rails, end brackets, further marking materials see "Accessories"								

Terminals with diodes

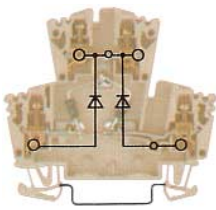
WDK 2.5 D

Diode terminal for lamp test circuits



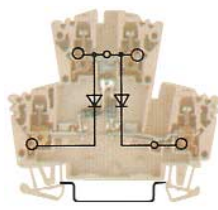
WDK 2.5 D

Diode terminal for lamp test circuits



WDK 2.5 D

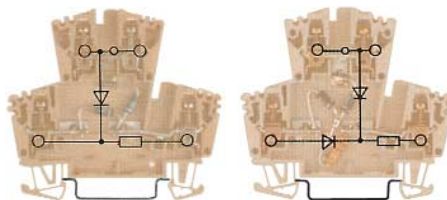
Diode terminal for lamp test circuits

[illegible]

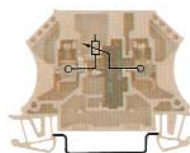
(Other versions on request)

Diode terminal for lamp test circuits, with series resistor

Diode terminal for lamp test circuits, with series resistor

56 **Weldmüller** 

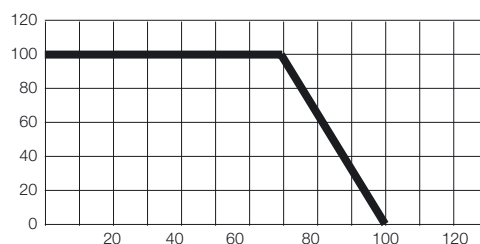
WDUL 4/...



Dimensions					
Length	mm	60			
Height (incl. TS 35 x 7.5)	mm	47			
Terminal width (+ assembly tolerance 0.2)	mm	6			
Insulation stripping length	mm	9/10			
Connection data					
Screw connection, solid		0.5...4 mm ²			
Screw connection, flexible		0.5...4 mm ²			
Conductor cross-connection		AWG 22...12			
VDE rated data					
Power		1 W			
Cross-section		4 mm ²			
Ordering data		Type	Cat. No.	Qty.	
Resistance	10 Ω	WDUL 4/10	1027000000	10	
	30 Ω	WDUL 4/30	1027100000	10	
	50 Ω	WDUL 4/50	1027200000	10	
	100 Ω	WDUL 4/100	1027300000	10	
	500 Ω	WDUL 4/500	1027400000	10	
	1 kΩ	WDUL 4/1K	1027500000	10	
	5 kΩ	WDUL 4/5K	1027600000	10	
	10 kΩ	WDUL 4/10K	1027700000	10	
	50 kΩ	WDUL 4/50K	1027800000	10	
	100 kΩ	WDUL 4/100K	1027900000	10	
	500 kΩ	WDUL 4/500K	1028000000	10	
	2 MΩ	WDUL 4/2M	1028100000	10	
		WDUL 4	8161820000	10	
		(without potentiometer)			
Accessories					
Mounting rail (length 2 m)		TS 35	0383400000	–	
End bracket (thickness mm)		EW 35 (8.5)	0383560000	50	
End plate (thickness mm)		WAP 2.5-10	1050000000	50	
Partition (thickness mm)		TW PA (1.5)	1050100000	20	
Screening bar		LS 2.8	1056400000	100	
Solder lug					

Technical data for the 30 Ω compensation resistor	
Resistor material: "Cermet"	
Resistor setting range: 0...30 Ω	
Curve form: linear	
Temperature coefficient: ± 100 ppm/°C	
Mechanical service life: 200 actuations without permissible deviations throughout the entire resistance range	
Resistance change per spindle turn: ≈ 1.2 Ω	
Rated output for total resistance: 1 W at 70 °C	
Rated current: 120 mA	
Ambient temperature: –55 °C to +70 °C	
Sealing:	
1) Leak-tested in water with 70 °C without foaming	
2) Storage in SFW 2.0 S acc. to DIN 50018, 9 cycles	

Capacity in % of the rated output



Ambient temperature in °C