

# Overview

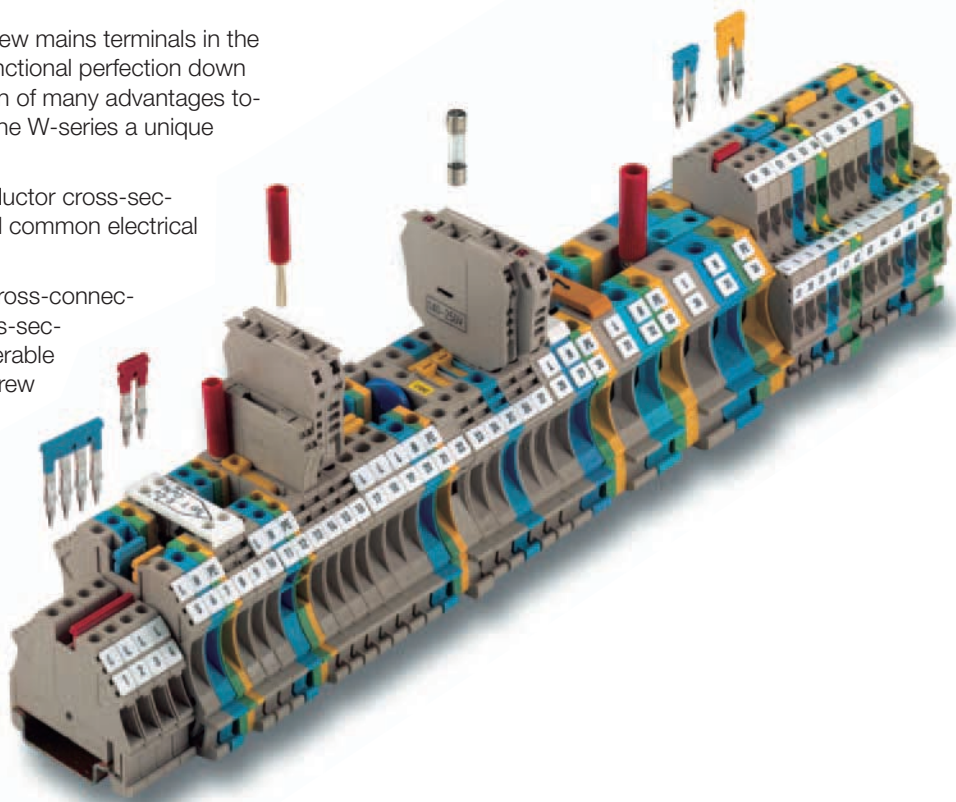
## Screw connection

For a long time now, Weidmüller's screw mains terminals in the W-series have set the standard for functional perfection down to the very last detail. The combination of many advantages today remains unsurpassed and gives the W-series a unique lead on the market.

The W-series offers solutions for conductor cross-sections from 0.08 to 240 mm<sup>2</sup> and for all common electrical functions.

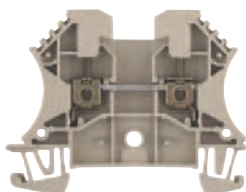
One unique feature is the pluggable cross-connector (ZQV) for most terminals with cross-sections 2.5 and 4 mm<sup>2</sup>. It brings considerable time savings compared to all other screw terminals on the market.

Thanks to the patented design of Weidmüller's screw connection (tension clamp) it is possible for two conductors of the same cross-section to be connected in one and the same clamping point without difficulty.



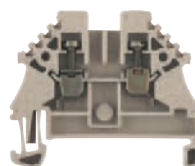
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### Design



#### W-standard

- Same contour design from 2.5 to 10 mm<sup>2</sup>
- Conductor sizes from 0.8 to 240 mm<sup>2</sup>
- Large clamping capacity range



#### W-compact

- Smaller size
- Identified by an "N" in the type designation
- Conductor sizes from 0.08 to 150 mm<sup>2</sup>

### Product overview

Rating cross-section	1.5 mm <sup>2</sup>		2.5 mm <sup>2</sup>		4 mm <sup>2</sup>		6 mm <sup>2</sup>		10 mm <sup>2</sup>		16 mm <sup>2</sup>		35 mm <sup>2</sup>	
	standard	compact	standard	compact	standard	compact	standard	compact	standard	compact	standard	compact	standard	compact
<b>Feed-through terminals</b>														
2 connections	•	•	•	•	•	•	•		•		•	•	•	•
3 and 4 connections	•	•	•	•	•	•			•					
<b>Protective earth terminals</b>														
2 connections	•	•	•	•	•	•	•		•		•	•	•	•
3 and 4 connections	•		•	•	•	•			•					
<b>Fuse terminals</b>							•							
<b>Isolating terminals</b>	•		•		•									
<b>Measuring and isolating terminals</b>					•		•							
<b>3-conductor installation terminals</b>	•		•		•									
<b>Isolating neutral terminals</b>	•		•		•		•		•		•			•
<b>Pluggable terminals</b>	•		•		•									
<b>Initiator/actuator terminals</b>	•		•		•									
<b>Terminals with built-in components</b>	•		•		•	•								
<b>Miniature terminals TS 15</b>	•													

Rating cross-section	50 mm <sup>2</sup>		70 mm <sup>2</sup>		95 mm <sup>2</sup>		120 mm <sup>2</sup>		150 mm <sup>2</sup>		240 mm <sup>2</sup>	
	standard	compact	standard	compact	standard	compact	standard	compact	standard	compact	standard	compact
<b>Feed-through terminals</b>			•	•	•	•	•	•	•		•	
<b>Protective earth terminals</b>			•		•	•	•	•	•			
<b>Isolating neutral terminals</b>					•							

## In detail

### The connection

Separation of electrical and mechanical function:

- Clamping unit (tension clamp and clamping screw) of hardened steel for very high contact force
- Busbar of copper for low voltage loss. Tin-plated surface for minimum contact resistances



### Cross-connections, also pluggable

- Screw-in or pluggable cross-connections
- For screw terminals, the pluggable cross-connection (ZQV) is unique, with considerable time savings
- Standard cross-connections for 2.5 and 4 mm<sup>2</sup> for up to 10 poles
- Pluggable cross-connections available for up to 50 poles for own assembly

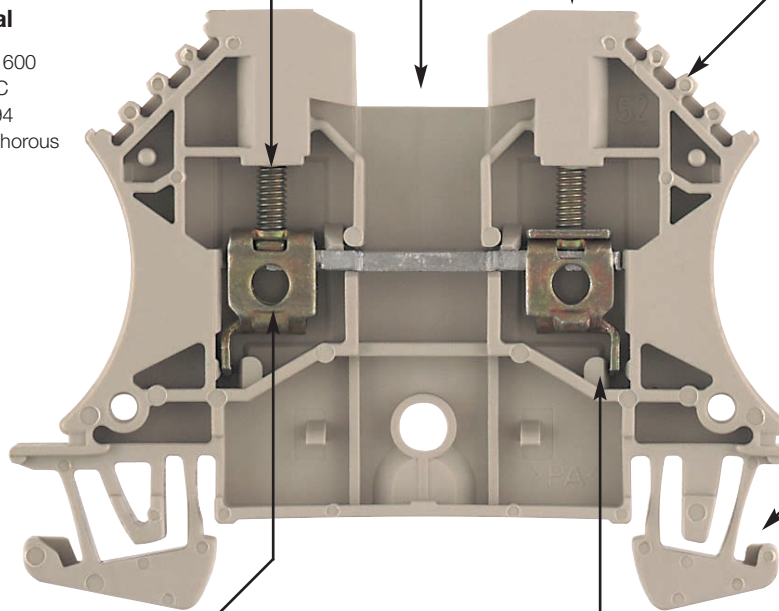


### Simple to use

- Snap on and off at right angles to the mounting rail in both directions
- Integrated idle point when loosening the terminal screws – specially important for mechanical screwdrivers
- Screwdriver guided by countersinking of clamping screws
- All parts captive in the terminal
- Many different options for labelling

### Wemid insulating material

- Resistant to creep current CTI 600
- Temperature resistant to 120°C
- Combustibility class V0 to UL94
- Contains no halogen or phosphorous



### Safe contacts

- Elastic tension clamp compensates for changes in the conductors caused by fluctuations in temperature (prevents working loose)
- No maintenance: no need to retighten the clamping screw
- Vibration-proof connection: many W-terminals certified for railway use to EN 61373
- Highest contact force of all connection systems

### Safe use

- Shock protection with connected conductors, even with cross-connection
- Terminals supplied with open clamping point. In addition, the misplugging safeguard prevents conductors from being inserted incorrectly (detailed photo).
- Embossing on tension clamp and busbar engage so that even the smallest conductors are reliably clamped; large conductors and also 2 conductors are gripped in the middle.

### Same contours

- Identical size from 2.5 to 10 mm
- Small number of different accessory parts
- Easier project planning

### Standards

The high contact safety and reliability of Weidmüller's systems is verified by:

- Type-testing to IEC 60947-7-1/-2
- National and international approvals
- Large portfolio with UL and CSA approvals
- W-series qualified to railway standards
- ATEX approval



# Feed-through terminals

## Standard design

Identical external profile for the 2.5mm<sup>2</sup> - 10mm<sup>2</sup> terminals enables the use of common endplates and partitions thus reducing stocking costs.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

<b>Width/Length/Height with TS35x7.5</b>	mm
Max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Rated impulse voltage / Pollution severity	kV/-
Plug gauge IEC 60-947-1 / flammability class acc. UL94	
Approvals	

#### Clampable conductors (H05V/H07V)

Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>
Tightening torque range (clamping screw)	Nm
Stripping length / blade size	mm / -

#### 2 clampable conductors of equal cross-section

Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>

#### Information

### Ordering data

Version	
dark beige Wemid	
blue Wemid	

#### Information

### Accessories

#### Cross-connection, pluggable



(ZQV 2.5N/4)

2-pole	
3-pole	
4-pole	
10-pole	
41-/50-pole	

#### Cross-connection, screwable



(WQV 2.5-3)

2-pole	
3-pole	
4-pole	
10-pole	

#### End plate / partition

<b>End plate</b>	dark beige Wemid
	blue Wemid
<b>Partition</b>	dark beige Wemid
	blue Wemid

#### End bracket

dark beige	
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#### Testing

<b>For testing of wired terminal strips</b>	Standard version
	With spigot

#### Cover



With elec. shock warn. symbol	
neutral	

#### Marking systems (see large assortment in chapter M)

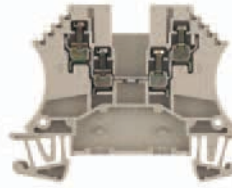
Tags

**For detailed information on additional accessories and usage instructions see chapter accessories.**

## WDU 1.5/ZZ

1.5 mm<sup>2</sup>

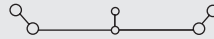
### Additional connection right and left



5.1 x 60 x 47

23 / 2.5

0.13 ... 2.5



IEC 60947-7-1

EEx e II T II 2 G D

IEC	UL	CSA	EN 50019
800	300	300	550
17.5	10	10	15
1.5	AWG 22 ...12	AWG 26...14	1.5
8 / 3			
A1 / V-0			



KEMA 98ATEX1685 U

#### Rated connection

0.5...2.5 / 1.5...2.5
0.5...1.5 / 0.5...1.5
0.4...0.6 (M 2.5)
7 / 3.5 x 0.6

#### Additional connection

0.5...1
0.5...1 / 0.5...0.75

Mind the max. current of the terminal (23A) when using the cross-connection WQV!

Type	Qty.	Order No.
WDU 1.5/ZZ	100	1031400000
WDU 1.5/ZZ BL	100	1031480000

Type	Current [A]	Qty.	Order No.

Current [A]			
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000

Width [mm]			
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 BL	1.5	50	1050080000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000

Width [mm]			
WEW-35/2	8	100	1061200000

WTA 2 WDU2.5-10	25	1632320000
WTA 2/ZA WDU2.5-10	25	1632330000

WAD 4 GE BED	50	1072000000
WAD 4 WS	50	1072100000

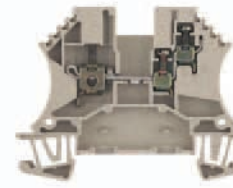
WS 12/5 / DEK 5

Test plug and socket see section Accessories W-series

## WDU 2.5/1.5/ZR

2.5 mm<sup>2</sup>

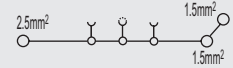
### Additional connection right



5.1 x 60 x 47

32 / 4

0.13 ... 4



IEC 60947-7-1

EEx e II T II 2 G D

IEC	UL	CSA	EN 50019
800	300	300	550
24	20	20	21
2.5	AWG 22 ...12	AWG 26...12	2.5
8 / 3			
A3 / A1 / V-0			



KEMA 98ATEX1685 U

#### Rated connection

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.8 (M 2.5)
10 / 3.5 x 0.6

#### Additional connection

0.5...2.5 / 1.5...2.5
0.5...1.5 / 0.5...1.5
0.4...0.6 (M 2.5)
7 / 3.5 x 0.6

0.5...1.5

0.5...1.5 / 0.5...1.5

#### Rated voltage 400V when using cross-connection ZQV

Type	Qty.	Order No.
WDU 2.5/1.5/ZR	100	1024700000
WDU 2.5/1.5/ZR BL	100	1024780000

Further connection (right 1.5 mm<sup>2</sup>): UL / CSA 15A and CSA AWG 14

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693880000
ZQV 2.5N/50 GE	24	10	1693890000

Current [A]			
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000

Width [mm]			
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 BL	1.5	50	1050080000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000

Width [mm]			
WEW-35/2	8	100	1061200000

WTA 2 WDU2.5-10	25	1632320000
WTA 2/ZA WDU2.5-10	25	1632330000

WAD 5 MIT BLITZZEICHEN	50	1053460000
WAD 5 NEUTRAL	50	1056060000

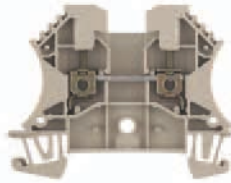
WS 12/5 / DEK 5

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

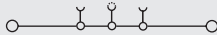
# Feed-through terminals

## WDU 2.5

2.5 mm<sup>2</sup>



5.1 x 60 x 47  
32 / 4  
0.13 ... 4



IEC 60947-7-1 EEx e II T II 2 G D

IEC	UL	CSA	EN 50019
800	600	600	550
24	25	20	21
2.5	AWG 22 ...12	AWG 26...12	2.5
8 / 3			
A3 / V-0			

KEMA 98ATEX1683 U

Rated connection	Additional connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 3.5 x 0.6	

0.5...1.5  
0.5...1.5 / 0.5...1.5

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

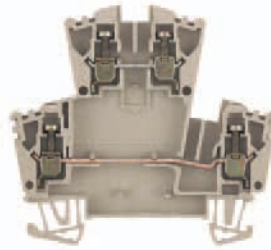
Type	Qty.	Order No.
WDU 2.5	100	1020000000
WDU 2.5 BL	100	1020080000

**Rated voltage 400V when using cross-connection ZQV**  
Colour-versions see section Accessories W-Series.

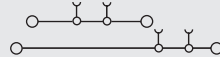
## WDK 2.5 ZQV

2.5 mm<sup>2</sup>

Pluggable cross-connection



5.1 x 65.4 x 63  
32 / 4  
0.13 ... 4



IEC 60947-7-1

IEC	UL	CSA	EN 50019
400	300	300	
24	20	25	
2.5	AWG 22 ...12	AWG 26...12	
6 / 3			
A3 / V-0			

KEMA 98ATEX1687 U

Rated connection	Additional connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 3.5 x 0.6	

0.5...1.5  
0.5...1.5 / 0.5...1.5

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

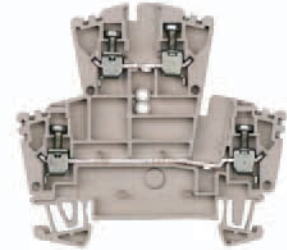
Type	Qty.	Order No.
WDK 2.5 ZQV	100	1041100000
WDK 2.5 ZQV BL	100	1041180000

**Rated voltage 400V when using cross-connection ZQV**  
Colour-versions see section Accessories W-Series.

## WDK 2.5

2.5 mm<sup>2</sup>

Screwable cross-connection



5.1 x 69 x 63  
32 / 4  
0.13 ... 4



IEC 60947-7-1 EEx e II T II 2 G D

IEC	UL	CSA	EN 50019
400	300	300	275
24	20	10	21
2.5	AWG 22 ...12	AWG 26...12	2.5
6 / 3			
A3 / V-0			

KEMA 98ATEX1687 U

Rated connection	Additional connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 3.5 x 0.6	

0.5...1.5  
0.5...1.5 / 0.5...1.5

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

Type	Qty.	Order No.
WDK 2.5	100	1021500000
WDK 2.5 BL	100	1021580000

Colour versions see section Accessories W-series Specific functions

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693880000
ZQV 2.5N/50 GE	24	10	1693890000

Current [A]			
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000

Width [mm]			
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 BL	1.5	50	1050080000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000

Width [mm]			
WEW-35/2	8	100	1061200000

WTA 2 WDU2.5-10	25	1632320000
WTA 2/ZA WDU2.5-10	25	1632330000

WAD 5 MIT BLITZZEICHEN	50	1053460000
WAD 5 NEUTRAL	50	1056060000

WS 12/5 / DEK 5  
Test plug and socket see section Accessories W-series

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	1693800000
ZQV 2.5N/3 GE	24	60	1693810000
ZQV 2.5N/4 GE	24	60	1693820000
ZQV 2.5N/10 GE	24	20	1693880000
ZQV 2.5N/50 GE	24	10	1693890000

Current [A]			
WAP WDK2.5	1.5	20	1059100000
WAP WDK2.5 BL	1.5	20	1059180000
WTW EN	1.5	20	1058800000

Width [mm]			
WEW-35/2	8	100	1061200000

Width [mm]			
WAD 4 GE BED	50	1072000000	
WAD 4 WS	50	1072100000	

WS 8/5 / DEK 5		
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WS 8/5 / DEK 5		
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Test plug and socket see section Accessories W-series

Type	Current [A]	Qty.	Order No.
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000

Width [mm]			
WAP WDK2.5	1.5	20	1059100000
WAP WDK2.5 BL	1.5	20	1059180000
WTW EN	1.5	20	1058800000

Width [mm]			
WEW-35/2	8	100	1061200000

Width [mm]			
WAD 4 GE BED	50	1072000000	
WAD 4 WS	50	1072100000	

WS 8/5 / DEK 5		
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WS 8/5 / DEK 5		
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Test plug and socket see section Accessories W-series

# Feed-through terminals

## Standard design

Identical external profile for the 2.5mm<sup>2</sup> - 10mm<sup>2</sup> terminals enables the use of common endplates and partitions thus reducing stocking costs.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

<b>Width/Length/Height with TS35x7.5</b>	mm
Max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Rated impulse voltage / Pollution severity	kV/-
Plug gauge IEC 60-947-1 / flammability class acc. UL94	
Approvals	

Clampable conductors (H05V/H07V)	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>
Tightening torque range (clamping screw)	Nm
Stripping length / blade size	mm / -

2 clampable conductors of equal cross-section	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>


Information
Conductor 2.5 mm <sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)


### Ordering data

Version	dark beige Wemid	blue Wemid

Information
Colour versions see section Accessories W-series Specific functions

### Accessories


Cross-connection, pluggable	
	(ZQV 2.5N/4)
	2-pole
	3-pole
	4-pole
	10-pole
	41-/50-pole

Cross-connection, screwable	
	(WQV 2.5-3)
	2-pole
	3-pole
	4-pole
	10-pole

End plate / partition	
End plate	dark beige Wemid blue Wemid
Partition	dark beige Wemid blue Wemid

End bracket	
	dark beige

Testing	
For testing of wired terminal strips	Standard version With spigot

Cover	
	With elec. shock warn. symbol neutral

Marking systems (see large assortment in chapter M)	
	Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

## WDK 2.5 V

2.5 mm<sup>2</sup>


Both levels on one potential



<b>5.1 x 69 x 63</b>	
<b>32 / 4</b>	
<b>0.13 ... 4</b>	

IEC 60947-7-1 EEx e II T II 2 G D

IEC	UL	CSA	EN 50019
400	300	300	275
24	20	10	21
2.5	AWG 22 ...12	AWG 26...12	2.5
6 / 3			
A3 / V-0			

 KEMA 98ATEX1687 U

Rated connection	Additional connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 3.5 x 0.6	

0.5...1.5	
0.5...1.5 / 0.5...1.5	

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

Type	Qty.	Order No.
WDK 2.5V	100	1022300000
WDK 2.5V BL	100	1022380000

Colour versions see section Accessories W-series Specific functions

Type	Current [A]	Qty.	Order No.

Current [A]			
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000

Width [mm]			
WAP WDK2.5	1.5	20	1059100000
WAP WDK2.5 BL	1.5	20	1059180000
WTW EN	1.5	20	1058800000

Width [mm]			
WEW-35/2	8	100	1061200000


WAD 4 GE BED	50	1072000000
WAD 4 WS	50	1072100000

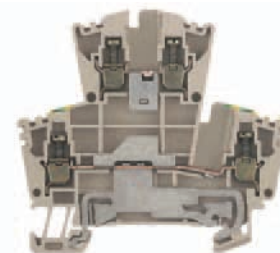
WS 8/5 / DEK 5		
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Test plug and socket see section Accessories W-series

## WDK 2.5 DU-PE

2.5 mm<sup>2</sup>


Lower level earthed on mounting rail



<b>5.1 x 69 x 63</b>	
<b>32 / 4</b>	
<b>0.13 ... 4</b>	

IEC 60947-7-1 (-7-2) EEx e II T II 2 G D

IEC	UL	CSA	EN 50019
400	300	300	275
24	20	10	21
2.5	AWG 22 ...12	AWG 26...12	2.5
6 / 3			
A3 / V-0			

 KEMA 98ATEX1687 U

Rated connection	Additional connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 3.5 x 0.6	

0.5...1.5	
0.5...1.5 / 0.5...1.5	

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

Type	Qty.	Order No.
WDK 2.5DU-PE	100	1036400000

Type	Current [A]	Qty.	Order No.

Current [A]			
WQV 2.5/2	32	50	1053660000
WQV 2.5/3	32	50	1053760000
WQV 2.5/4	32	50	1053860000
WQV 2.5/10	32	20	1054460000

Width [mm]			
WAP WDK2.5	1.5	20	1059100000
WAP WDK2.5 BL	1.5	20	1059180000
WTW EN	1.5	20	1058800000

Width [mm]			
WEW-35/2	8	100	1061200000


WAD 4 GE BED	50	1072000000
WAD 4 WS	50	1072100000

WS 8/5 / DEK 5		
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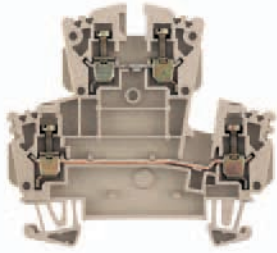
Test plug and socket see section Accessories W-series

# Feed-through terminals

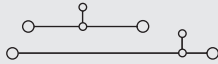
## WDK 2.5 EX

2.5 mm<sup>2</sup>

Rated voltage 800V



6.1 x 69 x 63  
32 / 4  
0.13 ... 4



IEC 60947-7-1

IEC	UL	CSA	EN 50019
800			
24			
2.5			
	8 / 3		
	A3 / V-0		



**Rated connection**      **Additional connection**

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 (M 2.5)  
10 / 3.5 x 0.6

0.5...1.5  
0.5...1.5 / 0.5...1.5

Type	Qty.	Order No.
WDK 2.5/EX	100	1029100000

Type	Current [A]	Qty.	Order No.

Current [A]			
Q 2 AKZ4SS	24	50	0369000000
Q 3 AKZ4SS	24	50	0369100000
Q 4 AKZ4SS	24	50	0369200000
Q 10 AKZ4SS	24	20	0369300000

Width [mm]			
WAP WDK2.5	1.5	20	1059100000
WAP WDK2.5 BL	1.5	20	1059180000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000

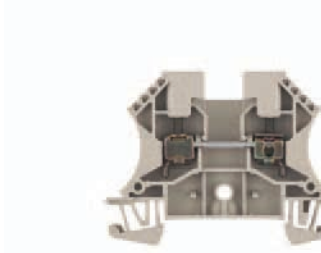
Width [mm]			
WEW-35/2	8	100	1061200000

WAD 4 GE BED	50	1072000000
WAD 4 WS	50	1072100000

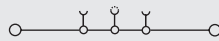
WS 8/5 / DEK 6

## WDU 4

4 mm<sup>2</sup>



6.1 x 60 x 47  
41 / 6  
0.13 ... 6



IEC 60947-7-1

IEC	UL	CSA	EN 50019
800	600	600	750
32	35	35	28
4	AWG 22 ...10	AWG 26...10	4
	8 / 3		
	A4 / V-0		



EEx e II T II 2 G D  
KEMA 98ATEX1683 U

**Rated connection**      **Additional connection**

0.5...6 / 1.5...6  
0.5...6 / 0.5...4  
0.5...1.0 (M 3)  
10 / 3.5 x 0.6

0.5...2.5  
0.5...1.5 / 0.5...1.5

Mind the max. current of the terminal (41A) when using the cross-connection WQV!

Type	Qty.	Order No.
WDU 4	100	1020100000
WDU 4 BL	100	1020180000

**Rated voltage 400V when using cross-connection ZQV**  
Colour-versions see section Accessories W-Series.

Type	Current [A]	Qty.	Order No.
ZQV 4N/2	32	60	1758250000
ZQV 4N/3	32	60	1762630000
ZQV 4N/4	32	60	1762620000
ZQV 4N/10	32	20	1758260000
ZQV 4N/41	32	10	1758270000

Current [A]			
WQV 4/2	41	50	1051960000
WQV 4/3	41	50	1054560000
WQV 4/4	41	50	1054660000
WQV 4/10	41	20	1052060000

Width [mm]			
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 BL	1.5	50	1050080000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000

Width [mm]			
WEW-35/2	8	100	1061200000

WTA 3 WDU4	25	1632350000
WTA 3/ZA WDU4	25	1632360000

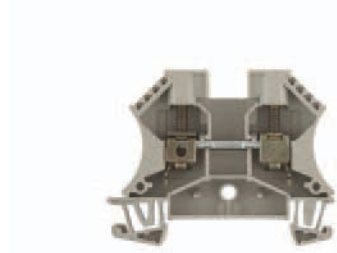
WAD 5 MIT BLITZZEICHEN	50	1053460000
WAD 5 NEUTRAL	50	1056060000

DEK 6 / WS 12/6

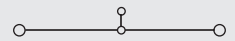
Test plug and socket see section Accessories W-series

## WDU 6

6 mm<sup>2</sup>



7.9 x 60 x 47  
57 / 10  
0.33 ... 10



IEC 60947-7-1

IEC	UL	CSA	EN 50019
800	600	600	550
41	50	45	36
6	AWG 22 ...8	AWG 20...8	6
	8 / 3		
	A5 / V-0		



EEx e II T II 2 G D  
KEMA 98ATEX1683 U

**Rated connection**      **Additional connection**

0.5...10 / 1.5...10  
0.5...10 / 0.5...6  
0.8...1.6 (M 3.5)  
12 / 4.0 x 0.8

0.5...2.5  
0.5...2.5 / 0.5...2.5

Mind the max. current of the terminal (57A) when using the cross-connection WQV!

Type	Qty.	Order No.
WDU 6	100	1020200000
WDU 6 BL	100	1020280000

Colour versions see section Accessories W-series Specific functions

Type	Current [A]	Qty.	Order No.

Current [A]			
WQV 6/2	57	50	1052360000
WQV 6/3	57	50	1054760000
WQV 6/4	57	50	1054860000
WQV 6/10	57	20	1052260000

Width [mm]			
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 BL	1.5	50	1050080000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000

Width [mm]			
WEW-35/2	8	100	1061200000

WTA 5/1	25	1051260000
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WAD 8 MIT BLITZZEICHEN	50	1053560000
WAD 8 NEUTRAL	50	1056160000

DEK 8 / WS 12/6,5

Test plug and socket see section Accessories W-series

# Feed-through terminals

## Standard design

Identical external profile for the 2.5mm<sup>2</sup> - 10mm<sup>2</sup> terminals enables the use of common endplates and partitions thus reducing stocking costs.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

<b>Width/Length/Height with TS35x7.5</b>	mm
Max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Rated impulse voltage / Pollution severity	kV/-
Plug gauge IEC 60-947-1 / flammability class acc. UL94	
Approvals	

Clampable conductors (H05V/H07V)	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>
Tightening torque range (clamping screw)	Nm
Stripping length / blade size	mm / -

2 clampable conductors of equal cross-section	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>


Information


### Ordering data

Version	
dark beige Wemid	
blue Wemid	

Information

### Accessories

Cross-connection, pluggable	
	(ZQV 2.5N/4)
	2-pole
	3-pole
	4-pole
	10-pole
	41-/50-pole

Cross-connection, screwable	
	(WQV 2.5-3)
	2-pole
	3-pole
	4-pole
	10-pole

End plate / partition	
End plate	dark beige Wemid blue Wemid
Partition	dark beige Wemid blue Wemid

End bracket	
	dark beige

Testing	
For testing of wired terminal strips	Standard version With spigot

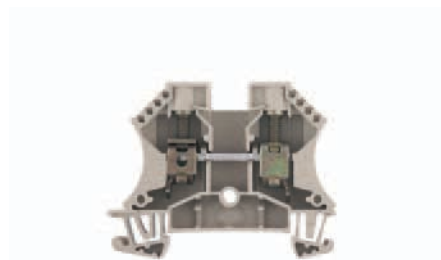
Cover	
	With elec. shock warn. symbol neutral

Marking systems (see large assortment in chapter M)	
	Tags

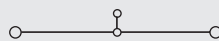
For detailed information on additional accessories and usage instructions see chapter accessories.

## WDU 10

10 mm<sup>2</sup>




<b>9.9 x 60 x 47</b>
<b>76 / 16</b>
<b>0.82 ... 16</b>



IEC 60947-7-1 EEx e II  T II 2 G D

IEC	UL	CSA	EN 50019
1000	600	600	550
57	65	65	50
10	AWG 18 ...6	AWG 16...6	10
8 / 3			
B6 / V-0			

 KEMA 98ATEX1683 U

Rated connection	Additional connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...2.4 (M 4)	
12 / 5.5 x 1.0	

1...6	
1...6 / 1...6	

Mind the max. current of the terminal (76A) when using the cross-connection WQV!

Type	Qty.	Order No.
WDU 10	50	1020300000
WDU 10 BL	50	1020380000

Colour versions see section Accessories W-series

Type	Current [A]	Qty.	Order No.

Current [A]			
WQV 10/2	76	50	1052560000
WQV 10/3	63	50	1054960000
WQV 10/4	63	50	1055060000
WQV 10/10	63	20	1052460000

Width [mm]			
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 BL	1.5	50	1050080000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000

Width [mm]			
WEW-35/2	8	100	1061200000
WTA 5/1		25	1051260000

WAD 8 MIT BLITZZEICHEN	50	1053560000
WAD 8 NEUTRAL	50	1056160000

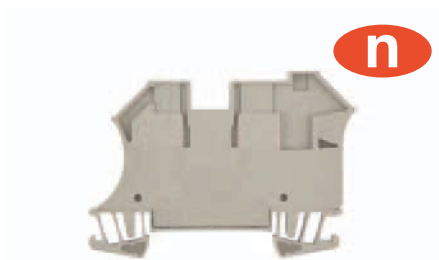
WS 12/6,5 / DEK 5
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Test plug and socket see section Accessories W-series

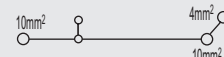
## WDU 10/ZR

10 mm<sup>2</sup>

Supplementary connection, right (4mm<sup>2</sup>)




<b>9.9 x 70 x 49.5</b>
<b>76 / 16</b>
<b>1.31 ... 16</b>



IEC 60947-7-1

IEC	UL	CSA	EN 50019
800	600	600	
57	65	65	
10	AWG 16 ...6	AWG 16...6	
8 / 3			
B6 / A4 / V-0			



Rated connection	Additional connection
1.5...16 / 1.5...16	0.5...6 / 1.5...4
1.5...16 / 1.5...16	0.5...4 / 0.5...4
1.2...2.4 (M 4)	0.6...0.8 (M 3)
12 / 5.5 x 1.0	9 / 3.5 x 0.6

1...6	0.5...1.5
1...6 / 1...6	0.5...1.5 / 0.5...1.5

Mind the max. current of the terminal (76A) when using the cross-connection WQV! Supplementary connection on top right (4mm<sup>2</sup>)

Type	Qty.	Order No.
WDU 10/ZR	50	1042400000
WDU 10/ZR BL	50	1042480000

Rated data refer to the 10mm<sup>2</sup> connection. ATEX-approval in preparation.

Type	Current [A]	Qty.	Order No.

Current [A]			
WQV 10/2	76	50	1052560000
WQV 10/3	63	50	1054960000
WQV 10/4	63	50	1055060000
WQV 10/10	63	20	1052460000

Width [mm]			
WAP 16+35 WTW 2.5-10	1.5	20	1050100000
WAP 16+35 WTW 2.5-10 BL	1.5	20	1050180000

Width [mm]			
WEW-35/2	8	100	1061200000
WTA 5/1		25	1051260000

WS 12/6,5 / DEK 5
-------------------

WS 12/6,5 / DEK 5
-------------------

Test plug and socket see section Accessories W-series





# Feed-through terminals

## Compact design

The compact design of these protective conductor terminals makes them the obvious choice in confined spaces.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

<b>Width/Length/Height with TS35x7.5</b>	mm
Max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

## Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Rated impulse voltage / Pollution severity	kV/-
Plug gauge IEC 60-947-1 / flammability class acc. UL94	
Approvals	

Clampable conductors (H05V/H07V)	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>
Tightening torque range (clamping screw)	Nm
Stripping length / blade size	mm / -

2 clampable conductors of equal cross-section	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>


Information
Conductor 2.5 mm <sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)


## Ordering data

Version
dark beige Wemid
blue Wemid

Information
Colour versions see section Accessories W-series Specific functions

## Accessories


Cross-connection, pluggable	
	2-pole
	3-pole
	4-pole
	10-pole
	41-/50-pole

Cross-connection, screwable	
	2-pole
	3-pole
	4-pole
	10-pole

End plate / partition	
<i>End plate</i>	dark beige Wemid
	blue Wemid
<i>Partition</i>	dark beige Wemid
	blue Wemid

End bracket	
	dark beige

Testing	
<i>For testing of wired terminal strips</i>	Standard version
	With spigot

Cover	
	With elec. shock warn. symbol
	neutral

Marking systems (see large assortment in chapter M)	
	Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

## WDU 2.5N

2.5 mm<sup>2</sup>


### With screwable cross-connection



<b>5.1 x 44 x 37.5</b>
<b>32 / 4</b>
<b>0.13 ... 4</b>

IEC 60947-7-1 EEx e II  T II 2 G D

IEC	UL	CSA	EN 50019
500	300	300	420
24	10	10	21
2.5	AWG 22 ...12	AWG 26...12	2.5
6 / 3			
A3 / V-0			

 KEMA 98ATEX1683 U

Rated connection	Additional connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 3.5 x 0.6	

0.5...1.5
0.5...1.5 / 0.5...1.5

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

Type	Qty.	Order No.
WDU 2.5N	100	<b>1023700000</b>
WDU 2.5N BL	100	<b>1023780000</b>

Colour versions see section Accessories W-series Specific functions

Type	Current [A]	Qty.	Order No.

Current [A]			
WQV 2.5/2	32	50	<b>1053660000</b>
WQV 2.5/3	32	50	<b>1053760000</b>
WQV 2.5/4	32	50	<b>1053860000</b>
WQV 2.5/10	32	20	<b>1054460000</b>

Width [mm]			
WAP WDU2.5N/4N	1.5	50	<b>1060000000</b>
WAP WDU2.5N/4N BL	1.5	50	<b>1060080000</b>

Width [mm]			
EW 35	8.5	50	<b>0383560000</b>

WTA 1 WDU1.5	25	<b>1632290000</b>
WTA 1/ZA WDU1.5	25	<b>1632300000</b>

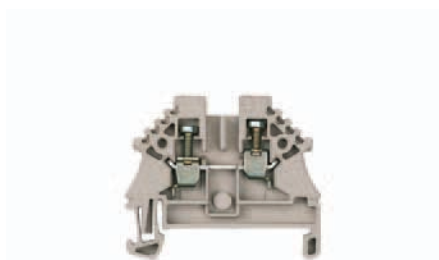
WAD 4 GE BED	50	<b>1072000000</b>
WAD 4 WS	50	<b>1072100000</b>

WS 12/5 / DEK 5  
Socket, test plug and screen plug see chapter accessories

## WDU 2.5N/ZQV

2.5 mm<sup>2</sup>


### With pluggable cross-connection



<b>5.1 x 44 x 37.5</b>
<b>32 / 4</b>
<b>0.13 ... 4</b>

IEC 60947-7-1

IEC	UL	CSA	EN 50019
500	300	300	
24	20	20	
2.5	AWG 22 ...12	AWG 26...12	
6 / 3			
A3 / V-0			



Rated connection	Additional connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
10 / 3.5 x 0.6	

0.5...1.5
0.5...1.5 / 0.5...1.5

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

Type	Qty.	Order No.
WDU 2.5N ZQV	100	<b>1040800000</b>
WDU 2.5N ZQV BL	100	<b>1040880000</b>

When using the cross-connection ZQV, the rated voltage is reduced to 400V.

Type	Current [A]	Qty.	Order No.
ZQV 2.5N/2 GE	24	60	<b>1693800000</b>
ZQV 2.5N/3 GE	24	60	<b>1693810000</b>
ZQV 2.5N/4 GE	24	60	<b>1693820000</b>
ZQV 2.5N/10 GE	24	20	<b>1693880000</b>
ZQV 2.5N/50 GE	24	10	<b>1693890000</b>

Current [A]			

Width [mm]			
WAP WDU2.5N/4N	1.5	50	<b>1060000000</b>
WAP WDU2.5N/4N BL	1.5	50	<b>1060080000</b>

Width [mm]			
EW 35	8.5	50	<b>0383560000</b>

WTA 1 WDU1.5	25	<b>1632290000</b>
WTA 1/ZA WDU1.5	25	<b>1632300000</b>

WAD 4 GE BED	50	<b>1072000000</b>
WAD 4 WS	50	<b>1072100000</b>

WS 12/5 / DEK 5

# Feed-through terminals

## Compact design

The compact design of these protective conductor terminals makes them the obvious choice in confined spaces.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

<b>Width/Length/Height with TS35x7.5</b>	mm
Max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

## Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Rated impulse voltage / Pollution severity	kV/-
Plug gauge IEC 60-947-1 / flammability class acc. UL94	
Approvals	

Clampable conductors (H05V/H07V)	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>
Tightening torque range (clamping screw)	Nm
Stripping length / blade size	mm / -

2 clampable conductors of equal cross-section	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>


Information

## Ordering data


Version	
dark beige Wemid	
blue Wemid	

Information

## Accessories

Cross-connection, pluggable	
	2-pole
	3-pole
	4-pole
	10-pole
	41-/50-pole

(ZQV 2.5N/4)


Cross-connection, screwable	
	2-pole
	3-pole
	4-pole
	10-pole

(WQV 2.5-3)

End plate / partition	
End plate	dark beige Wemid blue Wemid
Partition	dark beige Wemid blue Wemid

End bracket	
	dark beige

Testing	
For testing of wired terminal strips	Standard version With spigot

Cover	
	With elec. shock warn. symbol neutral

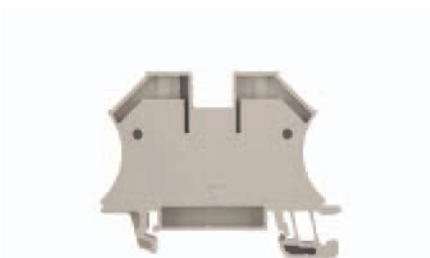
Marking systems (see large assortment in chapter M)	
	Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

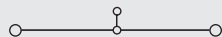
## WDU 16N

16 mm<sup>2</sup>

Suitable for power distribution



12 x 60 x 47
101 / 25
1.5 ... 25



IEC 60947-7-1

IEC	UL	CSA	EN 50019
690	300	300	
76	70	70	
16	AWG 14 ...6	AWG 14...6	
		8 / 3	
		B7 / V-0	



Rated connection	Additional connection
1.5...16 / 1.5...25	
1.5...16 / 1.5...16	
1.2...2.4 (M4)	
12 / 5.5 x 1.0	

Information
25mm <sup>2</sup> stranded, have to be connected at 2.2 Nm.

Type	Qty.	Order No.
WDU 16N	50	1036100000
WDU 16N BL	50	1036180000

Information

Type	Current [A]	Qty.	Order No.

Current [A]			
WQV 16N/2	76	50	1636560000
WQV 16N/3	57	50	1636570000
WQV 16N/4	57	50	1636580000

Width [mm]			
WTW EN	1.5	20	1058800000

Width [mm]			
WEW-35/2	8	100	1061200000

Width [mm]			
WTA 2 WDU2.5-10		25	1632320000

WAD 12 M. BLITZZEICHEN	50	1055960000
WAD 12 NEUTRAL	50	1056260000

WS 12/6,5 / DEK 5		
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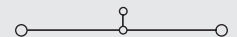
## WDU 35N

35 mm<sup>2</sup>

Suitable for power distribution



16 x 66 x 51
150 / 50
2.5 ... 50



IEC 60947-7-1

IEC	UL	CSA	EN 50019
500	300	300	
125	10	10	
35	AWG 12 ...1	AWG 12...2	
		6 / 3	
		B8 / V-0	



Rated connection	Additional connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
2.5...5.0 (M6)	
18 / 6.5 x 1.2	

2.5...10 / 16...16
2.5...16 / 2.5...16

Type	Qty.	Order No.
WDU 35N	20	1040400000
WDU 35N BL	20	1040480000

Information

Type	Current [A]	Qty.	Order No.

Current [A]			
WQV 35N/2	115	20	1079200000
WQV 35N/3	100	20	1079300000
WQV 35N/4	100	20	1079400000

Width [mm]			
WTW EN	1.5	20	1058800000

Width [mm]			
WEW-35/2	8	100	1061200000

Width [mm]			
WAD 16N GE BED			1083600000
WAD 16N WS			1083500000

WS 12/6,5 / DEK 5		
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# PE terminals

## Standard design

Identical external profile for the 2.5mm<sup>2</sup> - 10mm<sup>2</sup> terminals enables the use of common endplates and partitions thus reducing stocking costs.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

<b>Width/Length/Height with TS35x7.5</b>	mm
Max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

## Technical data

Rated data	
Rated cross-section	mm <sup>2</sup>
Rated voltage for adjacent terminal	V
Rated impulse voltage for adjacent terminal	kV
Short-time current resistant	A
Pollution severity	
Plug gauge IEC 60-947-1 / flammability class acc. UL94	
Approvals	

Clampable conductors (H05V/H07V)	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>
Tightening torque range (clamping screw)	Nm
Tightening torque range (fixing screw)	Nm
Stripping length / blade size	mm / -

2 clampable conductors of equal cross-section	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>

Information

## Ordering data

Version
green/yellow Wernid

Information

## Accessories

End plate
dark beige Wernid

End bracket
dark beige / beige

Test adapter	
For testing of wired terminal strips	Standard version
	With spigot

Screwdriver	
w. cutting device "swifty set"	Standard version

Reducing sleeves
for conductors < 0.5 mm <sup>2</sup> / < AWG 20
for conductors < 1.0 mm <sup>2</sup> / < AWG 18

PEN-bridge
Insertable in distributor TN-S net between N- and PE-terminal

Marking systems (see large assortment in chapter M)
Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

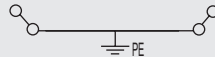
## WPE 1.5/ZZ

1.5 mm<sup>2</sup>

### Supplementary connection left and right



5.1 x 60 x 47  
/ 2.5  
0.13 ... 2.5



IEC 60947-7-2

EEx e II T II 2 G D

IEC	UL	CSA	EN 50019
1.5	AWG 22 ...14	AWG 26...14	1.5
800			
8			
180 A (1.5mm <sup>2</sup> )			
3			
A1 / V-0			



KEMA 98ATEX1685 U

Rated connection	Additional connection
0.5...2.5 / 1.5...2.5	
0.5...1.5 / 0.5...1.5	
0.4...0.6 (M 2.5)	
0.4...0.8 (M 2.5)	
7 / 3.5 x 0.6	

0.5...1	
0.5...1 / 0.5...0.75	

Information

Type	Qty.	Order No.
WPE 1.5/ZZ	100	1016500000

Information

Type	Width [mm]	Qty.	Order No.
WAP 2.5-10	1.5	50	1050000000

Width [mm]	Qty.	Order No.
WEW-35/2	8	1061200000

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SD 0.6X3.5X100	10	9008330000
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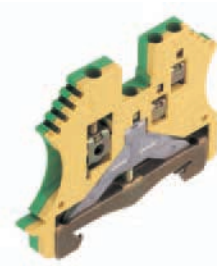
WS 12/5 / DEK 5		
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Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (Qty: 10)		
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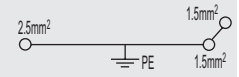
## WPE 2.5/1.5/ZR

2.5 mm<sup>2</sup>

### Supplementary connection, right (1.5mm<sup>2</sup>)



5.1 x 60 x 47  
/ 4  
0.13 ... 4



IEC 60947-7-2

EEx e II T II 2 G D

IEC	UL	CSA	EN 50019
2.5	AWG 22 ...12	AWG 26...12	2.5
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			



KEMA 98ATEX1685 U

Rated connection	Additional connection
0.5...4 / 1.5...4	0.5...2.5 / 1.5...2.5
0.5...4 / 0.5...2.5	0.5...1.5 / 0.5...1.5
0.4...0.8 (M 2.5)	0.4...0.6 (M 2.5)
0.4...0.8 (M 2.5)	
10 / 3.5 x 0.6	7 / 3.5 x 0.6

0.5...1.5	0.5...1
0.5...1.5 / 0.5...1.5	0.5...1 / 0.5...0.75

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

Type	Qty.	Order No.
WPE 2.5/1.5/ZR	100	1016400000

Information
Technical data for supplementary connection, right (1.5mm <sup>2</sup> )

Type	Width [mm]	Qty.	Order No.
WAP 2.5-10	1.5	50	1050000000

Width [mm]	Qty.	Order No.
WEW-35/2	8	1061200000

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SD 0.6X3.5X100	10	9008330000
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WS 12/5 / DEK 5		
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Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (Qty: 10)		
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# PE terminals

## WPE 2.5

2.5 mm<sup>2</sup>

## WDK 2.5 PE

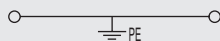
2.5 mm<sup>2</sup>



5.1 x 60 x 47

/ 4

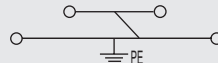
0.13 ... 4



5.1 x 69.5 x 63

/ 4

0.13 ... 4



IEC 60947-7-2

EEx e II T II 2 G D

IEC	UL	CSA	EN 50019
2.5	AWG 22 ...12	AWG 26...12	2.5

800
8
300 A (2.5 mm <sup>2</sup> )
3
A3 / V-0



KEMA 98ATEX1683 U

**Rated connection**

**Additional connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

0.4...0.8 (M 2.5)

0.4...0.8 (M 2.5)

10 / 3.5 x 0.6

0.5...1.5

0.5...1.5 / 0.5...1.5

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

IEC 60947-7-2

EEx e II T II 2 G D

IEC	UL	CSA	EN 50019
2.5	AWG 22 ...12	AWG 26...12	2.5

400
6
300 A (2.5 mm <sup>2</sup> )
3
A3 / V-0



KEMA 98ATEX1687 U

**Rated connection**

**Additional connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

0.4...0.6 (M 2.5)

10 / 3.5 x 0.6

0.5...1.5

0.5...1.5 / 0.5...1.5

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

Type	Qty.	Order No.
WPE 2.5	100	101000000

Type	Qty.	Order No.
WDK 2.5PE	100	1036300000

Type	Width [mm]	Qty.	Order No.
WAP 2.5-10	1.5	50	1050000000

Type	Width [mm]	Qty.	Order No.
WAP WDK2.5	1.5	20	1059100000

Type	Width [mm]	Qty.	Order No.
WEW-35/2	8	100	1061200000

Type	Width [mm]	Qty.	Order No.
WEW-35/2	8	100	1061200000

SD 0.6X3.5X100	10	9008330000
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SD 0.6X3.5X100	10	9008330000
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WS 12/5 / DEK 5

Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (Qty. 10)

WS 8/5 / DEK 5

Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (Qty. 10)

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany. Delivery times see page X.2

# PE terminals

## Standard design

Identical external profile for the 2.5mm<sup>2</sup> - 10mm<sup>2</sup> terminals enables the use of common endplates and partitions thus reducing stocking costs.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

<b>Width/Length/Height with TS35x7.5</b>	mm
Max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated cross-section	mm <sup>2</sup>
Rated voltage for adjacent terminal	V
Rated impulse voltage for adjacent terminal	kV
Short-time current resistant	A
Pollution severity	
Plug gauge IEC 60-947-1 / flammability class acc. UL94	
Approvals	

Clampable conductors (H05V/H07V)	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>
Tightening torque range (clamping screw)	Nm
Tightening torque range (fixing screw)	Nm
Stripping length / blade size	mm / -

2 clampable conductors of equal cross-section	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>

Information

### Ordering data

Version	Type	Qty.	Order No.
green/yellow Wernid	WPE 4	100	1010100000

Information

### Accessories

Type	Width [mm]	Qty.	Order No.
End plate	dark beige Wernid		

Type	Width [mm]	Qty.	Order No.
End bracket	dark beige / beige		

Type	Width [mm]	Qty.	Order No.
Test adapter			
For testing of wired terminal strips	Standard version		
	With spigot		

Type	Width [mm]	Qty.	Order No.
Screwdriver			
	w. cutting device "swifty set"		
	Standard version		

Type	Width [mm]	Qty.	Order No.
Reducing sleeves			
	for conductors < 0.5 mm <sup>2</sup> / < AWG 20		
	for conductors < 1.0 mm <sup>2</sup> / < AWG 18		

Type	Width [mm]	Qty.	Order No.
PEN-bridge			
	Insertable in distributor TN-S net between N- and PE-terminal		

Type	Width [mm]	Qty.	Order No.
Marking systems (see large assortment in chapter M)			
	Tags		

For detailed information on additional accessories and usage instructions see chapter accessories.

## WPE 4

4 mm<sup>2</sup>



<b>6.1 x 60 x 47</b>	
<b>/ 6</b>	
<b>0.13 ... 6</b>	

IEC 60947-7-2 EEx e II Ex T II 2 G D

IEC	UL	CSA	EN 50019
4	AWG 22 ...10	AWG 26...10	4
	1000		
	8		
	480 A (4 mm <sup>2</sup> )		
	3		
	A4 / V-0		

Rated connection	Additional connection
0.5...6 / 1.5...6	
0.5...6 / 0.5...4	
0.5...1.0 (M 3)	
0.5...0.8 (M 3)	
10 / 3.5 x 0.6	

0.5...2.5	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
WPE 4	100	1010100000

Type	Width [mm]	Qty.	Order No.

Type	Width [mm]	Qty.	Order No.
WEW-35/2	8	100	1061200000

Type	Width [mm]	Qty.	Order No.
SD 0.6X3.5X100		10	9008330000

Type	Width [mm]	Qty.	Order No.

Type	Width [mm]	Qty.	Order No.
DEK 6			

Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (Qty. 10)

## WPE 6

6 mm<sup>2</sup>



<b>7.9 x 60 x 47</b>	
<b>/ 10</b>	
<b>0.33 ... 10</b>	

IEC 60947-7-2 EEx e II Ex T II 2 G D

IEC	UL	CSA	EN 50019
6	AWG 22 ...8	AWG 20...8	6
	1000		
	8		
	720 A (6 mm <sup>2</sup> )		
	3		
	A5 / V-0		

Rated connection	Additional connection
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 (M 3.5)	
0.5...1.0 (M 3)	
12 / 4.0 x 0.8	

0.5...2.5	
0.5...2.5 / 0.5...2.5	

Type	Qty.	Order No.
WPE 6	50	1010200000

Type	Width [mm]	Qty.	Order No.

Type	Width [mm]	Qty.	Order No.
WEW-35/2	8	100	1061200000

Type	Width [mm]	Qty.	Order No.
SD 0.8X4.0X100		10	9008340000

Type	Width [mm]	Qty.	Order No.

Type	Width [mm]	Qty.	Order No.
DEK 8 / WS 12/6,5			

Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (Qty. 10)

# PE terminals

WPE 10

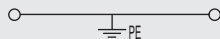
10 mm<sup>2</sup>

WPE 10/ZR

10 mm<sup>2</sup>



9.9 x 60 x 47  
/ 16  
1.31 ... 16



IEC 60947-7-2

EEx e II T II 2 G D

IEC	UL	CSA	EN 50019
10	AWG 16 ...8	AWG 16...6	10

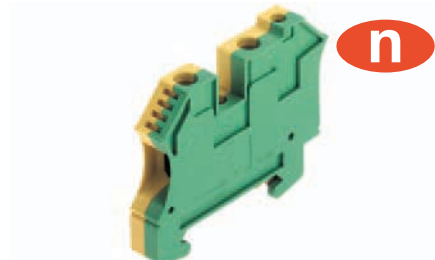
800
8
1200 A (10 mm <sup>2</sup> )
3
B6 / V-0



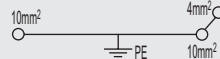
KEMA 98ATEX1683 U

Rated connection	Additional connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...2.4 (M 4)	
0.5...1.0 (M 3)	
12 / 5.5 x 1.0	

1...6
1...6 / 1...6



9.9 x 70 x 49.5  
/ 16  
1.31 ... 16



IEC 60947-7-2

IEC	UL	CSA	EN 50019
10	AWG 16 ...6	AWG 14...6	

800
8
1200 A (10 mm <sup>2</sup> )
3
B6 / A4 / V-0



Rated connection	Additional connection
1.5...16 / 1.5...16	0.5...6 / 1.5...4
1.5...16 / 1.5...16	0.5...4 / 0.5...4
1.2...2.4 (M 4)	0.6...0.8 (M 3)
0.5...1.0 (M 3)	
12 / 5.5 x 1.0	9 / 3.5 x 0.6

1...6	0.5...1.5
1...6 / 1...6	0.5...1.5 / 0.5...1.5

Max. cross-connections refer to 10mm<sup>2</sup> connections.

Type	Qty.	Order No.
WPE 10	50	101030000

Type	Qty.	Order No.
WPE 10/ZR	50	104250000

Type	Width [mm]	Qty.	Order No.
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Width [mm]			
WEW-35/2	8	100	106120000

SD 1.0X5.5X150	10	900835000
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WQB-PEN 10	10	106030000
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WS 12/6,5 / DEK 5

Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (VPE 10)

Type	Width [mm]	Qty.	Order No.
------	------------	------	-----------

Width [mm]			
WEW-35/2	8	100	106120000

SD 0.6X3.5X100	10	900833000
----------------	----	-----------

WQB-PEN 10	10	106030000
------------	----	-----------

WS 12/6,5 / DEK 5

Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (VPE 10)

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany. Delivery times see page X.2

# PE terminals

## Standard design

Identical external profile for the 2.5mm<sup>2</sup> - 10mm<sup>2</sup> terminals enables the use of common endplates and partitions thus reducing stocking costs.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

<b>Width/Length/Height with TS35x7.5</b>	mm
Max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

## Technical data

Rated data	
Rated cross-section	mm <sup>2</sup>
Rated voltage for adjacent terminal	V
Rated impulse voltage for adjacent terminal	kV
Short-time current resistant	A
Pollution severity	
Plug gauge IEC 60-947-1 / flammability class acc. UL94	
Approvals	

### Clampable conductors (H05V/H07V)

Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>
Tightening torque range (clamping screw)	Nm
Tightening torque range (fixing screw)	Nm
Stripping length / blade size	mm / -

### 2 clampable conductors of equal cross-section

Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>

### Information

## Ordering data

<b>Version</b>	green/yellow Wernid
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### Information

## Accessories

<b>End plate</b>	dark beige Wernid
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<b>End bracket</b>	dark beige / beige
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<b>Test adapter</b>	Standard version
For testing of wired terminal strips	With spigot

<b>Screwdriver</b>	w. cutting device "swifty set"
	Standard version

<b>Reducing sleeves</b>	for conductors < 0.5 mm <sup>2</sup> / < AWG 20
	for conductors < 1.0 mm <sup>2</sup> / < AWG 18

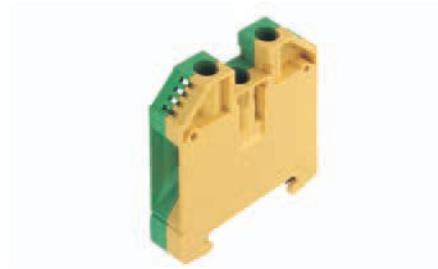
<b>PEN-bridge</b>	Insertable in distributor TN-S net between N- and PE-terminal
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<b>Marking systems</b> (see large assortment in chapter M)	Tags
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For detailed information on additional accessories and usage instructions see chapter accessories.

## WPE 16

## 16 mm<sup>2</sup>



<b>11.9 x 60 x 63</b>	
<b>/ 25</b>	
<b>1.5 ... 25</b>	

IEC 60947-7-2 EEx e II T II 2 G D

IEC	UL	CSA	EN 50019
16	AWG 14 ...6	AWG 14...6	16
1000			
8			
1920 A (16mm <sup>2</sup> )			
3			
B7 / V-0			

KEMA 98ATEX1683 U

Rated connection	Additional connection
1.5...16 / 1.5...25	
1.5...25 / 1.5...16	
2.0...4.0 (M 5)	
1.2...2.4 (M 4)	
16 / 5.5 x 1.0	

1.5...6
1.5...6 / 1.5...6

TS 35x15 (steel, thickness 1.5mm) has to be used for cross-connections of 25 mm<sup>2</sup> (see chapter F).

Type	Qty.	Order No.
WPE 16	50	1010400000

Conductor 50mm <sup>2</sup> , stranded, must be connected with 4Nm		
--------------------------------------------------------------------	--	--

Type	Width [mm]	Qty.	Order No.
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Width [mm]			
WEW 35/1	12.2	50	1059000000

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SD 1.0X5.5X150	10	9008350000
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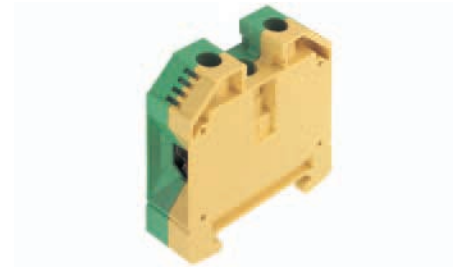
WQB-PEN 16	10	1060200000
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WS 12/6,5 / DEK 5			
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Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (Qty: 10)

## WPE 35

## 35 mm<sup>2</sup>



<b>16 x 60 x 63</b>	
<b>/ 35</b>	
<b>2.5 ... 35</b>	

IEC 60947-7-2 EEx e II

IEC	UL	CSA	EN 50019
35	AWG 12 ...2	AWG 12...2	35
800			
8			
4200 A (35mm <sup>2</sup> )			
3			
B8 / V-0			

KEMA 98ATEX1683 U

Rated connection	Additional connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
2.5...5.0 (M 6)	
1.2...2.4 (M 4)	
18 / 6.5 x 1.2	

2.5...10 / 16...16
2.5...16 / 2.5...16

TS 35x15 (steel, thickness 1.5mm) has to be used for 35 mm<sup>2</sup>. TS 35x15 (steel, thickness 2.3 mm) has to be used for 50 mm<sup>2</sup>. (see chapter F).

Type	Qty.	Order No.
WPE 35	25	1010500000

Conductor 50mm <sup>2</sup> , stranded, must be connected with 4Nm		
--------------------------------------------------------------------	--	--

Type	Width [mm]	Qty.	Order No.
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Width [mm]			
WEW 35/1	12.2	50	1059000000

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SD 1.2x6.5x150	10	9009010000
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WQB-PEN 35	10	1060100000
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WS 12/6,5 / DEK 5			
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Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (Qty: 10)

# PE terminals

## Compact design

The compact design of these protective conductor terminals makes them the obvious choice in confined spaces.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

<b>Width/Length/Height with TS35x7.5</b>	mm
Max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated cross-section	mm <sup>2</sup>
Rated voltage for adjacent terminal	V
Rated impulse voltage for adjacent terminal	kV
Short-time current resistant	A
Pollution severity	
Plug gauge IEC 60-947-1 / flammability class acc. UL94	
Approvals	

#### Clampable conductors (H05V/H07V)

Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>
Tightening torque range (clamping screw)	Nm
Tightening torque range (fixing screw)	Nm
Stripping length / blade size	mm / -

#### 2 clampable conductors of equal cross-section

Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>

#### Information

### Ordering data

Version	
	green/yellow Wernid

#### Information

### Accessories

End plate	
	dark beige Wernid

End bracket	
	dark beige / beige

Test adapter	
For testing of wired terminal strips	Standard version With spigot

Screwdriver	
	w. cutting device "swifty set" Standard version



Reducing sleeves	
	for conductors < 0.5 mm <sup>2</sup> / < AWG 20 for conductors < 1.0 mm <sup>2</sup> / < AWG 18

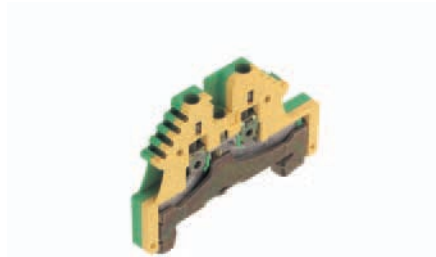
PEN-bridge	
	Insertable in distributor TN-S net between N- and PE-terminal

Marking systems	(see large assortment in chapter M)
	Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

## WPE 2.5N

2.5 mm<sup>2</sup>



<b>5.1 x 44 x 37.5</b>	
<b>/ 4</b>	
<b>0.13 ... 4</b>	

IEC 60947-7-2 EEx e II Ex T II 2 G D

IEC	UL	CSA	EN 50019
2.5	AWG 26 ...12	AWG 26...12	2.5
		500	
		6	
		300 A (2.5 mm <sup>2</sup> )	
		3	
	A3 / V-0		

KEMA 98ATEX1683 U

Rated connection	Additional connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
0.4...0.8 (M 2.5)	
10 / 3.5 x 0.6	

0.5...1.5
0.5...1.5 / 0.5...1.5

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

Type	Qty.	Order No.
WPE 2.5N	100	1016200000

Information

Type	Width [mm]	Qty.	Order No.
WAP WDU2.5N/4N	1.5	50	1060000000

Type	Width [mm]	Qty.	Order No.
EW 35	8.5	50	0383560000

Type	Qty.	Order No.

Type	Qty.	Order No.
SD 0.6X3.5X100	10	9008330000

Type	Qty.	Order No.

Type	Qty.	Order No.

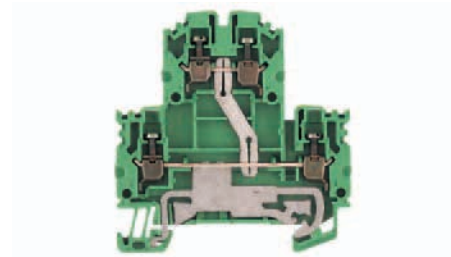
Type	Qty.	Order No.

Type	Qty.	Order No.
WS 12/5 / DEK 5		

Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (Qty. 10)

## WDK 2.5N PE

2.5 mm<sup>2</sup>



<b>5.1 x 60.7 x 62.5</b>	
<b>/ 4</b>	
<b>0.13 ... 4</b>	

IEC 60947-7-2 EEx e II Ex T II 2 G D

IEC	UL	CSA	EN 50019
2.5	AWG 26 ...12	AWG 26...12	2.5
		800	
		8	
		300 A (2.5 mm <sup>2</sup> )	
		3	
	A3 / V-0		

KEMA 00ATEX2061 U

Rated connection	Additional connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 (M 2.5)	
8 / 3.5 x 0.6	

0.5...1.5
0.5...1.5 / 0.5...1.5

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

Type	Qty.	Order No.
WDK 2.5N PE	100	1041620000

Information

Type	Width [mm]	Qty.	Order No.
WAP WDK2.5/4 N	1.5	20	1084000000

Type	Width [mm]	Qty.	Order No.
WEW-35/2	8	100	1061200000

Type	Qty.	Order No.

Type	Qty.	Order No.
SD 0.6X3.5X100	10	9008330000

Type	Qty.	Order No.

Type	Qty.	Order No.

Type	Qty.	Order No.

Type	Qty.	Order No.
DEK 5 / WS 8/5		

Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (Qty. 10)



# PE terminals

## Compact design

The compact design of these protective conductor terminals makes them the obvious choice in confined spaces.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

<b>Width/Length/Height with TS35x7.5</b>	mm
Max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

## WPE 16N

16 mm<sup>2</sup>



<b>12 x 60 x 47</b>	
<b>/ 25</b>	
<b>1.5 ... 25</b>	

## WPE 35N

35 mm<sup>2</sup>



<b>16 x 66 x 51</b>	
<b>/ 50</b>	
<b>2.5 ... 50</b>	

## Technical data

Rated data	
Rated cross-section	mm <sup>2</sup>
Rated voltage for adjacent terminal	V
Rated impulse voltage for adjacent terminal	kV
Short-time current resistant	A
Pollution severity	
Plug gauge IEC 60-947-1 / flammability class acc. UL94	
Approvals	

Clampable conductors (H05V/H07V)	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>
Tightening torque range (clamping screw)	Nm
Tightening torque range (fixing screw)	Nm
Stripping length / blade size	mm / -

2 clampable conductors of equal cross-section	
Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>

Information
25mm <sup>2</sup> stranded, have to be connected at 2.2 Nm.

## Ordering data

Version
green/yellow Wernid

Information

## Accessories

End plate
dark beige Wernid

End bracket
dark beige / beige

Test adapter
For testing of wired terminal strips
Standard version
With spigot

Screwdriver
w. cutting device "swifty set"
Standard version



Reducing sleeves
for conductors < 0.5 mm <sup>2</sup> / < AWG 20
for conductors < 1.0 mm <sup>2</sup> / < AWG 18

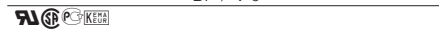
PEN-bridge
Insertable in distributor TN-S net between N- and PE-terminal

Marking systems
(see large assortment in chapter M)
Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

IEC 60947-7-2

IEC	UL	CSA	EN 50019
16	AWG 14 ...6	AWG 14...6	
	400		
	6		
	1920 A (16mm <sup>2</sup> )		
	3		
	B7 / V-0		



Rated connection	Additional connection
1.5...16 / 1.5...25	
1.5...16 / 1.5...16	
1.2...2.4 (M 4)	
0.5...1.0 (M 3)	
12 / 5.5 x 1.0	

1.5...4
1.5...4 / 1.5...4

25mm <sup>2</sup> stranded, have to be connected at 2.2 Nm.
-------------------------------------------------------------

Type	Qty.	Order No.
WPE 16N	50	1019100000

Type	Width [mm]	Qty.	Order No.

Type	Width [mm]	Qty.	Order No.
WEW-35/2	8	100	1061200000

SD 1.0X5.5X150	10	9008350000
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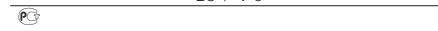
WQV 16N-PEN GN	10	1071350000
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WS 12/6,5 / DEK 5
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Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (Qty. 10)

IEC 60947-7-2

IEC	UL	CSA	EN 50019
35			
	400		
	6		
	4200 A (35mm <sup>2</sup> )		
	3		
	B8 / V-0		



Rated connection	Additional connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
2.5...5.0 (M 6)	
1.2...2.4 (M 4)	
18 / 6.5 x 1.2	

2.5...10 / 16...16
2.5...16 / 2.5...16

TS 35x15 (steel, thickness 1.5mm) has to be used for 35 mm <sup>2</sup> . TS 35x15 (steel, thickness 2.3 mm) has to be used for 50 mm <sup>2</sup> .
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Type	Qty.	Order No.
WPE 35N	20	1717740000

Type	Width [mm]	Qty.	Order No.

Type	Width [mm]	Qty.	Order No.
WEW-35/2	8	100	1061200000

SD 1.2x6.5x150	10	9009010000
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WQV 16N-PEN BL	10	1071360000
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DEK 8 / WS 12/6,5
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Rail support for insulated installation of the mounting rail SH 2 order no. 0494920000 (Qty. 10)

# Disconnect terminals

## Disconnect terminals

With disconnect terminals the current can quickly and safely be cut to carry our essential maintenance.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

<b>Width/Length/Height with TS35x7.5</b>	mm
Max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage feed through terminal	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Rated impulse voltage / Pollution severity	kV/-
Plug gauge IEC 60-947-1 / flammability class acc. UL94	
Approvals	

#### Clampable conductors (H05V/H07V)

Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>
Tightening torque range (clamping screw)	Nm
Stripping length / blade size	mm / -

#### 2 clampable conductors of equal cross-section

Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>


#### Information

### Ordering data

Version	
	dark beige Wernid
	blue Wernid
	Without disconnecter, dark beige Wernid

#### Information

### Accessories


Cross-connection, pluggable	
	2-pole
	3-pole
	4-pole
	10-pole

End plate / partition	
End plate	dark beige Wernid
	blue Wernid
Partition	dark beige Wernid

End bracket	
	dark beige / beige

Screwdriver	
	w. cutting device "swifty set"
	Standard version

Holder for fuse cartridges 5 x 20mm	
	400V ac/dc. without LED
	10 - 36V ac/dc. red LED
	140 - 250V ac/dc. red LED

Diode plug (up to 250V)	
	Polarity when insert on terminal
	(WSD 2.5) Without special components

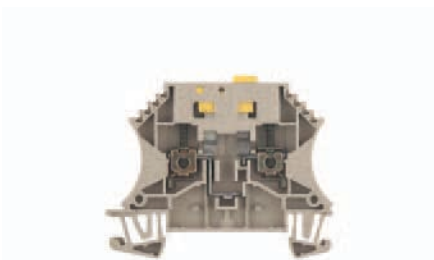
Marking systems (see large assortment in chapter M)	
	Tags

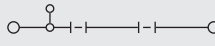
For detailed information on additional accessories and usage instructions see chapter accessories.

## WTR 2.5

2.5 mm<sup>2</sup>

With clamping screw



<b>5.1 x 60 x 49</b>	
<b>14 / 4</b>	
<b>0.13 ... 4</b>	

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 50019
800	300	300	
14	10	10	
2.5	AWG 22 ...12	AWG 26...12	
		8 / 3	
		A3 / V-0	



#### Rated connection

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 (M 2.5)
10 / 3.5 x 0.6

500V as disconnect terminal. Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with Order No. 1333100000, Qty. 500

Type	Qty.	Order No.
WTR 2.5	100	1011100000
WTR 2.5 BL	100	1011180000
WTR 2.5/D/O.TNHE	100	1012900000

Versions with socket 2.0 on request. Colour versions see section Accessories W-series Specific functions

Type	Current [A]	Qty.	Order No.

Width [mm]	
WAP 2.5-10	1.5 50 1050000000
WAP 2.5-10 BL	1.5 50 1050080000
WAP 16+35 WTW 2.5-10	1.5 20 1050100000

Width [mm]	
WEW-35/2	8 100 1061200000

SD 0.6X3.5X100	10	9008330000
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SIHA 1/G20	25	9537550000
SIHA 1/G20 10-36V	25	9537560000
SIHA 1/G20 140-250V	25	9537590000

WSD 2.5/D+/- WTR2.5	25	1058460000
WSD 2.5/D-/+ WTR2.5	25	1058560000
WSD 2.5/SCAN WTR2.5	25	1058760000

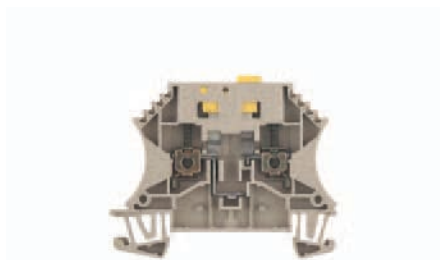
WS 12/5 / DEK 5
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Special cross-connections see section accessories W-series

## WTR 2.5 StB

2.5 mm<sup>2</sup>

With socket



<b>5.1 x 60 x 49</b>	
<b>14 / 4</b>	
<b>0.13 ... 4</b>	

IEC 60947-7-1 / VDE 0100-537

IEC	UL	CSA	EN 50019
800	300	300	
14	10	10	
2.5	AWG 22 ...12	AWG 26...12	
		8 / 3	
		A3 / V-0	



#### Rated connection

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.5...0.6 (M 2.5)
10 / 3.5 x 0.6

500V as isolating terminal. Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with Order No. 1333100000, Qty. 500

Type	Qty.	Order No.
WTR 2.5 STB2.3	100	1011200000
WTR 2.5 STB2.3 BL	100	1011280000
WTR 2.5/O.TNHE STB2.3	100	1012800000

Versions with socket 2.0 on request

Type	Current [A]	Qty.	Order No.

Width [mm]	
WAP 2.5-10	1.5 50 1050000000
WAP 2.5-10 BL	1.5 50 1050080000
WAP 16+35 WTW 2.5-10	1.5 20 1050100000

Width [mm]	
WEW-35/2	8 100 1061200000

SD 0.6X3.5X100	10	9008330000
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SIHA 1/G20	25	9537550000
SIHA 1/G20 10-36V	25	9537560000
SIHA 1/G20 140-250V	25	9537590000

WSD 2.5/D+/- WTR2.5	25	1058460000
WSD 2.5/D-/+ WTR2.5	25	1058560000
WSD 2.5/SCAN WTR2.5	25	1058760000

DEK 5 / WS 12/5
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Special cross-connections see section accessories W-series

# Fuse terminals

## Fuse terminals

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

<b>Width/Length/Height with TS35x7.5</b>	mm
Max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage for adjacent terminal	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Rated impulse voltage / Pollution severity	kV/-
Plug gauge IEC 60-947-1 / flammability class acc. UL94	
Approvals	

#### Clampable conductors (H05V/H07V)

Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>
Tightening torque range (clamping screw)	Nm
Stripping length / blade size	mm / -

#### 2 clampable conductors of equal cross-section

Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>

#### Information


### Ordering data

Version		
<i>dark beige Wemid</i>	400V ac/dc, without LED	
	10-36V ac/dc, with LED	
	30-70V ac/dc, with LED	
	60-150V ac/dc, with LED	
	140-250V ac/dc, with LED	

#### Information

### Accessories

#### Cross-connection, pluggable

	2-pole
	3-pole
	4-pole
	10-pole

#### End plate / partition (behind last terminal)

End plate, dark beige Wemid	
Partition, dark beige Wemid	

#### Screwdriver

	w. cutting device "swifty set"
	Standard version

#### G-fuse cartridge 5 x 20mm (IEC 60127-2)

Rated voltage 250V	0.25A quick
Rated switch-off capacity 1500A	0.5A quick
(at 250V / 50Hz / cos j = 0.7)	1A quick
	2A quick

#### G25 with indicator / Inch fuse

G25 (DIN 41 576 / 250V)	0.5A medium-slow
Rated voltage 250V	1A medium-slow
Inch fuse 1/4 x 1 1/4	2A quick
Rated voltage 440V	4A quick

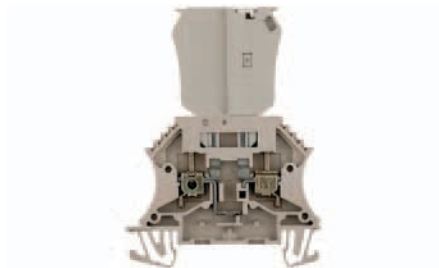
#### Marking systems (see large assortment in chapter M)

Tags	
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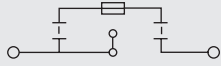
For detailed information on additional accessories and usage instructions see chapter accessories.

## WTR 2.5/SI

2.5 mm<sup>2</sup>



5.1 x 60 x 80.5  
6.3 / 4  
0.13 ... 4



IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 50019
400	300	300	
6.3	6.3	6.3	
2.5	AWG 22 ...12	AWG 26...12	
		6 / 3	
		A3 / V-0	



#### Rated connection

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.8 (M 2.5)
10 / 3.5 x 0.6

#### Additional connection

0.5...1.5
0.5...1.5 / 0.5...1.5

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

Type	Qty.	Order No.
WTR 2.5/SI	25	1763940000
WTR 2.5/SI LD 36V	25	1763950000
WTR 2.5/SI LD 70V	25	1763960000
WTR 2.5/SI LD 150V	25	1763970000
WTR 2.5/SI LD 250V	25	1763980000

UL/CSA specified for fuse cartridge 400V; otherwise the specified voltage range also applies to UL/CSA

Type	Current [A]	Qty.	Order No.

Width [mm]			
WAP 2.5-10	1.5	50	1050000000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000

SD 0.6X3.5X100	10	9008330000
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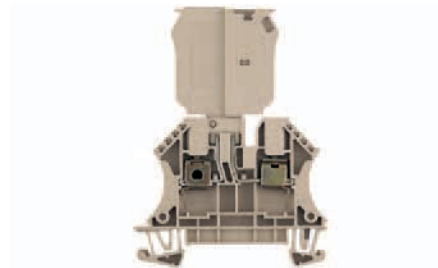
G 20/0.25A/F	10	0430500000
G 20/0.5A/F	10	0430600000
G 20/1A/F	10	0430700000
G 20/2A/F	10	0430900000

DEK 5 / WS 12/5

Possible cross-connections for WTR 2.5 see section Accessories W-series.

## WTR 4/SI

4 mm<sup>2</sup>



6.1 x 60 x 80.5  
6.3 / 6  
0.33 ... 6



IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 50019
400	300	300	
6.3	6.3	6.3	
4	AWG 22 ...10	AWG 22...10	
		6 / 3	
		A4 / V-0	



#### Rated connection

0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...1.0 (M 3)
13 / 3.5 x 0.6

0.5...2.5
0.5...1.5 / 0.5...1.5

The rated voltage of the terminal is determined by the max. power loss of 1.6W at the fuse cartridge.

Type	Qty.	Order No.
WTR 4 SI	25	7910240000
WTR 4/SI LD 36V	25	7914370000
WTR 4/SI LD 70V	25	7914380000
WTR 4/SI LD 150V	25	7914390000
WTR 4/SI LD 250V	25	7914400000

UL/CSA specified for fuse cartridge 400V; otherwise the specified voltage range also applies to UL/CSA

Type	Current [A]	Qty.	Order No.
ZQV 4N/2	32 A	60	1758250000
ZQV 4N/3	32 A	60	1762630000
ZQV 4N/4	32 A	60	1762620000
ZQV 4N/10	32 A	20	1758260000

Width [mm]			
WAP 2.5-10	1.5	50	1050000000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000

SD 0.6X3.5X100	10	9008330000
----------------	----	------------

G 20/0.25A/F	10	0430500000
G 20/0.5A/F	10	0430600000
G 20/1A/F	10	0430700000
G 20/2A/F	10	0430900000

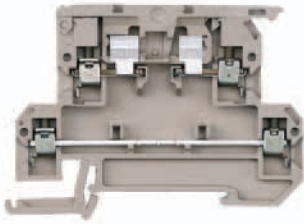
WS 12/6 / DEK 6

# Fuse terminals

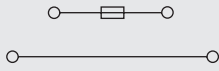
## KDKS 1/35 DB

4 mm<sup>2</sup>

Metric fuses 5x20mm



8 x 73.5 x 55.6  
6.3 / 4  
0.33 ... 4



IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 50019
500	300		
6.3	10		
4	AWG 22 ...12		
	6 / 3		
	A3 / V-0		

### Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...4  
0.5...1.0 (M3)  
8 / 3.5 x 0.6

0.5...1.5  
0.5...1.5 / 0.5...1.5

2 conductors, solid, have to be connected at 0.6 Nm.

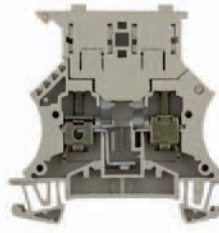
Type	Qty.	Order No.
KDKS 1/35 DB		9532440000

Max. power loss of 1.6 W at the fuse cartridge limits the rated current.

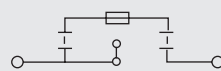
## WSI 6

6 mm<sup>2</sup>

Metric fuses



7.9 x 60 x 62  
6.3 / 10  
0.5 ... 10



IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 50019
500	300	300	
6.3	6.3	6.3	
6	AWG 20 ...8	AWG 20...8	
	6 / 3		
	A5 / V-0		



### Rated connection

0.5...10 / 1.5...10  
0.5...10 / 0.5...6  
0.8...1.6 (M3.5)  
12 / 4.0 x 0.8

0.5...2.5  
0.5...2.5 / 0.5...2.5

Fuse cartridges or contact sleeves have to be inserted in centre. Version with contact sleeve order no. 1028200000 (Qty. 50/10A)

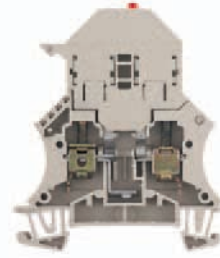
Type	Qty.	Order No.
WSI 6	50	1011000000

Max. power loss at the fuse cartridge (1.6 W) limits the rated current of the terminal.

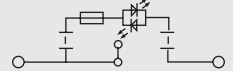
## WSI 6 LD

6 mm<sup>2</sup>

Metric fuses / bipolar LED



7.9 x 60 x 72  
6.3 / 10  
0.5 ... 10



IEC 60947-7-3 / VDE 0611-6

IEC	UL	CSA	EN 50019
500	300	300	
6.3	6.3	6.3	
6	AWG 20 ...8	AWG 20...8	
	6 / 3		
	A5 / V-0		



### Rated connection

0.5...10 / 1.5...10  
0.5...10 / 0.5...6  
0.8...1.6 (M3.5)  
12 / 4.0 x 0.8

0.5...2.5  
0.5...2.5 / 0.5...2.5

Fuse cartridges or contact sleeves have to be inserted in centre. With a defective fuse a residual current flows in the LED!

Type	Qty.	Order No.
WSI 6/LD 10-36V DC/AC	50	1011300000
WSI 6/LD 30-70V DC/AC	50	1012200000
WSI 6/LD 60-150V DC/AC	50	1012300000
WSI 6/LD 110DC 250AC	50	1012400000

Max. power loss at the fuse cartridge (1.6 W) limits the rated current.

Type	Current [A]	Qty.	Order No.

Width [mm]			
AP KDKS1 1.5 DB	1.5	20	9532470000

SD 0.6X3.5X100	10	9008330000
----------------	----	------------

G 20/0.25A/F	10	0430500000
G 20/0.5A/F	10	0430600000
G 20/1A/F	10	0430700000
G 20/2A/F	10	0430900000

WS 12/6,5 / DEK 8

Type	Current [A]	Qty.	Order No.

Width [mm]			
WAP 2.5-10	1.5	50	1050000000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000

SD 0.8X4.0X100	10	9008340000
----------------	----	------------

G 20/0.25A/F	10	0430500000
G 20/0.5A/F	10	0430600000
G 20/1A/F	10	0430700000
G 20/2A/F	10	0430900000

G 25/0.5A/M WS	10	0510300000
G 25/1A/M RT	10	0265800000
G 25/2A/F BL	10	0192700000
G 25/4A/F BR	10	0192800000

WS 12/6,5 / DEK 8

Cross-connection see section Accessories W-series spare isolating lever order no. 103660000 (Qty. 5)

Type	Current [A]	Qty.	Order No.

Width [mm]			
WAP 2.5-10	1.5	50	1050000000
WAP 16+35 WTW 2.5-10	1.5	20	1050100000

SD 0.8X4.0X100	10	9008340000
----------------	----	------------

G 20/0.25A/F	10	0430500000
G 20/0.5A/F	10	0430600000
G 20/1A/F	10	0430700000
G 20/2A/F	10	0430900000

G 25/0.5A/M WS	10	0510300000
G 25/1A/M RT	10	0265800000
G 25/2A/F BL	10	0192700000
G 25/4A/F BR	10	0192800000

WS 12/6,5 / DEK 8

Cross-connection see section Accessories W-series spare isolating lever on request

# Installation terminals

## Neutral disconnect terminals

These special terminals for insulation measurements without dismantling of the conductor according to VDE-Norms are prescribed for places of public meetings.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

<b>Width/Length/Height with TS35x7.5</b>	mm
Max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Rated impulse voltage / Pollution severity	kV/-
Plug gauge IEC 60-947-1 / flammability class acc. UL94	
Approvals	

### Clampable conductors (H05V/H07V)

Solid / stranded	mm <sup>2</sup>
Flexible / flexible w. wire end ferrule	mm <sup>2</sup>
Stripping length / blade size	mm / -
Tightening torque range (clamping screw)	Nm

### Information

### Ordering data

Version	dark beige Wemid blue Wemid
Information	

### Accessories

Cross-connection	
(ZQV 2.5N/4 - pluggable) (Q3 - screwable)	2-pole 3-pole 4-pole 10-pole 30-/41-/50-pole

End plate / partition	
	dark beige Wemid blue Wemid

Holding plate for 10 x 3	
	blue Wemid for vertical mounting position

End bracket	
	dark beige

Screwdriver	
	w. cutting device "swifty set" Standard version

Busbar 10 x 3	
	Lower edge busbar to upper edge TS35 = 25.5mm

Tension clamp for feeding 10 x 3 busbars	
	Rigid / flexible 0.5 - 6 / 4mm <sup>2</sup> Rigid / flexible 6 - 16mm <sup>2</sup> flexible 16 - 35mm <sup>2</sup>

Marking systems (see large assortment in chapter M)	
	Tags

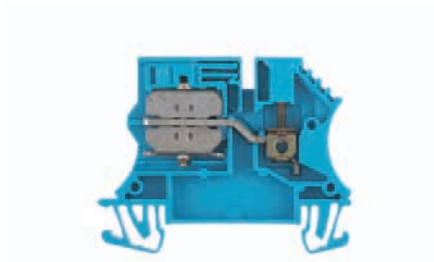
For detailed information on additional accessories and usage instructions see chapter accessories.	
----------------------------------------------------------------------------------------------------	--

Marking systems (see large assortment in chapter M)	
	Tags

For detailed information on additional accessories and usage instructions see chapter accessories.	
----------------------------------------------------------------------------------------------------	--

## WNT 2.5

2.5 mm<sup>2</sup>



<b>5.1 x 60 x 47</b>	
<b>32 / 4</b>	NT
<b>0.13 ... 4</b>	

IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 50019
400	600	600	
24	25	20	
2.5	AWG 22 ...12	AWG 26...12	
		6 / 3	
		A3 / V-0	

Approvals:

### Rated connection

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
10 / 3.5 x 0.6
0.4...0.6 (M 2.5)

Conductor 2.5 mm<sup>2</sup> with wire end ferrule with plastic collar only with diameter optimised collar (Order No. 1333100000, Qty. 500)

Type	Qty.	Order No.
WNT 2.5 10X3 BE	100	<b>1010600000</b>
WNT 2.5 10X3	100	<b>1010680000</b>
Tightening torque N-disconnector 0,4..0,6 Nm		

Type	Current [A]	Qty.	Order No.

Width [mm]			
WAP 2.5-10	1.5	50	<b>1050000000</b>
WAP 2.5-10 BL	1.5	50	<b>1050080000</b>

Width [mm]			
WHP 2.5-35N/10x3 BL	2	20	<b>1050280000</b>

Width [mm]			
WEW-35/2	8	100	<b>1061200000</b>

Width [mm]			
SD 0.6X3.5X100		10	<b>9008330000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>

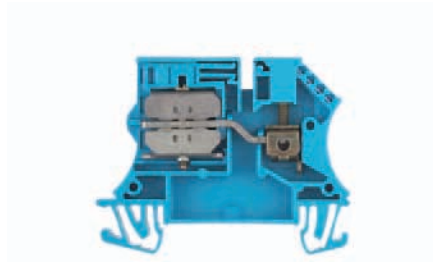
Width [mm]			
ZB 4	5.6	50	<b>0316500000</b>
ZB 16 ZKSC	10	50	<b>0316600000</b>
ZB 35/M6X16	14	20	<b>0266500000</b>

Width [mm]			
DEK 5 / WS 12/5			

Width [mm]			
DEK 6 / WS 12/6			

## WNT 4

4 mm<sup>2</sup>



<b>6.1 x 60 x 47</b>	
<b>41 / 6</b>	NT
<b>0.13 ... 6</b>	

IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 50019
400	600	600	
32	35	35	
4	AWG 22 ...10	AWG 26...10	
		6 / 3	
		A4 / V-0	

Approvals:

### Rated connection

0.5...6 / 1.5...6
0.5...6 / 0.5...4
10 / 3.5 x 0.6
0.5...1.0 Nm (M 3)

Tightening torque N-disconnector 0,4..0,8 Nm

Type	Qty.	Order No.
WNT 4 10X3 BE	100	<b>1010700000</b>
WNT 4 10X3	100	<b>1010780000</b>

Type	Current [A]	Qty.	Order No.

Width [mm]			
WAP 2.5-10	1.5	50	<b>1050000000</b>
WAP 2.5-10 BL	1.5	50	<b>1050080000</b>

Width [mm]			
WHP 2.5-35N/10x3 BL	2	20	<b>1050280000</b>

Width [mm]			
WEW-35/2	8	100	<b>1061200000</b>

Width [mm]			
SD 0.6X3.5X100		10	<b>9008330000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>

Width [mm]			
ZB 4	5.6	50	<b>0316500000</b>
ZB 16 ZKSC	10	50	<b>0316600000</b>
ZB 35/M6X16	14	20	<b>0266500000</b>

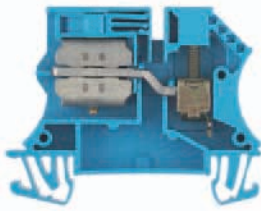
Width [mm]			
DEK 6 / WS 12/6			

Width [mm]			
DEK 6 / WS 12/6			

# Installation terminals

## WNT 6

6 mm<sup>2</sup>



7.9 x 60 x 47  
57 / 10  
0.5 ... 10



IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 50019
400	600	600	
41	45	45	
6	AWG 20 ...8	AWG 20...8	
	6 / 3		
	A5 / V-0		



### Rated connection

0.5...10 / 1.5...10

0.5...10 / 0.5...6

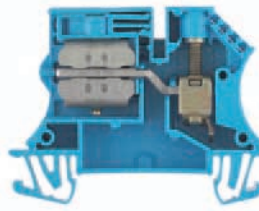
12 / 4.0 x 0.8

0.8...1.2 Nm (M 3.5)

Tightening torque N-disconnector 0,8...1,6 Nm

## WNT 10

10 mm<sup>2</sup>



9.9 x 60 x 47  
76 / 16  
1.31 ... 16



IEC 60947-7-1 / VDE 0611-4

IEC	UL	CSA	EN 50019
400	600	600	
57	60	65	
10	AWG 16 ...6	AWG 16...6	
	6 / 3		
	B6 / V-0		



### Rated connection

1.5...16 / 1.5...16

1.5...16 / 1.5...16

12 / 5.5 x 1.0

1.2...2.0 Nm (M 4)

Tightening torque N-disconnector 0,8...1,6 Nm

Type	Qty.	Order No.
WNT 6 10X3 BE	50	1010800000
WNT 6 10X3	50	1010880000

Type	Qty.	Order No.
WNT 10 10X3 BE	50	1010900000
WNT 10 10X3	50	1010980000

Type	Current [A]	Qty.	Order No.

Width [mm]			
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 BL	1.5	50	1050080000

Width [mm]			
WHP 2.5-35N/10x3 BL	2	20	1050280000

Width [mm]			
WEW-35/2	8	100	1061200000

SD 0.8X4.0X100	10	9008340000
----------------	----	------------

SSCH 10X3X1000 CU/SN	1	0348900000
----------------------	---	------------

Width [mm]			
ZB 4	5.6	50	0316500000
ZB 16 ZKSC	10	50	0316600000
ZB 35/M6X16	14	20	0266500000

DEK 8 / WS 12/6,5

Type	Current [A]	Qty.	Order No.

Width [mm]			
WAP 2.5-10	1.5	50	1050000000
WAP 2.5-10 BL	1.5	50	1050080000

Width [mm]			
WHP 2.5-35N/10x3 BL	2	20	1050280000

Width [mm]			
WEW-35/2	8	100	1061200000

SD 1.0X5.5X150	10	9008350000
----------------	----	------------

SSCH 10X3X1000 CU/SN	1	0348900000
----------------------	---	------------

Width [mm]			
ZB 4	5.6	50	0316500000
ZB 16 ZKSC	10	50	0316600000
ZB 35/M6X16	14	20	0266500000

WS 12/6,5 / DEK 8

For PEN-bridges see section Accessories W-series

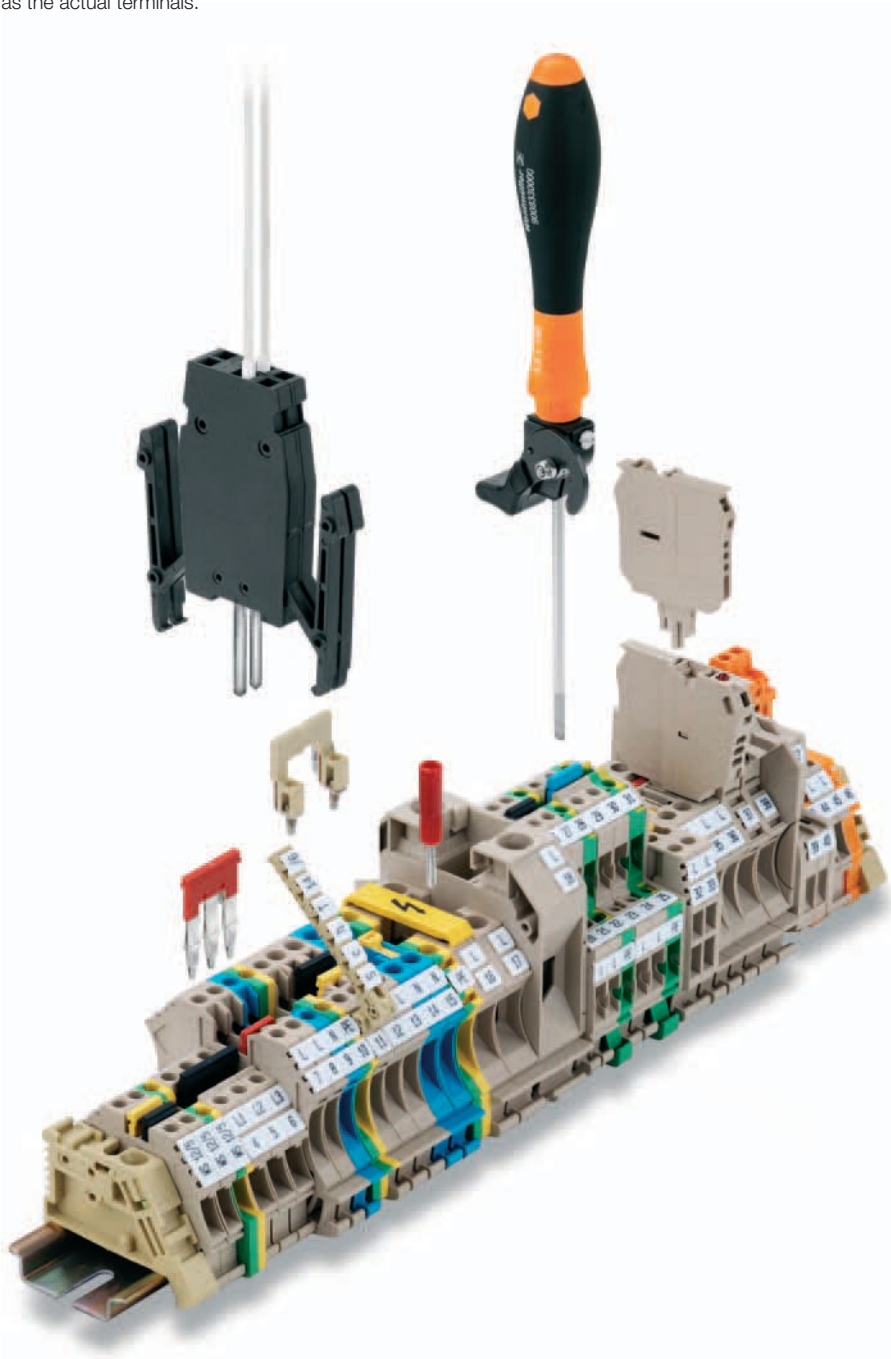
Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

## Accessories

### Supplementary functions

Weidmüller offers the user of W-series terminals an extensive range of accessories for the ideal solution to all possible tasks, even over and beyond standard functions.

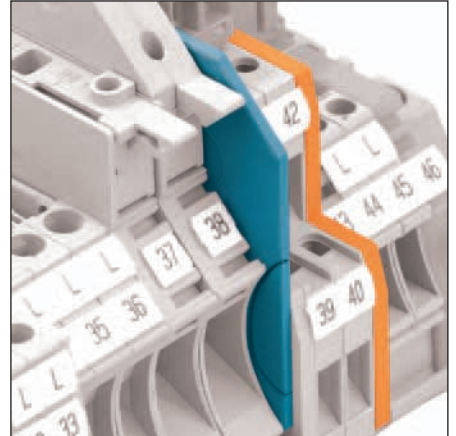
The accessories meet the same quality standards as the actual terminals.



### Visual separation

#### Side covers

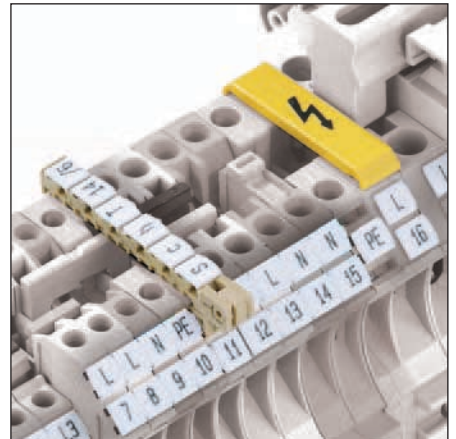
Page D.70



To guarantee finger-safe use of terminals, open sides are covered with end plates and partition plates to prevent any contact with live parts. End plates and partition plates also come in different colours so that they can be used for visual separation of different circuits.

### Labelling

Chapter M, page D.84



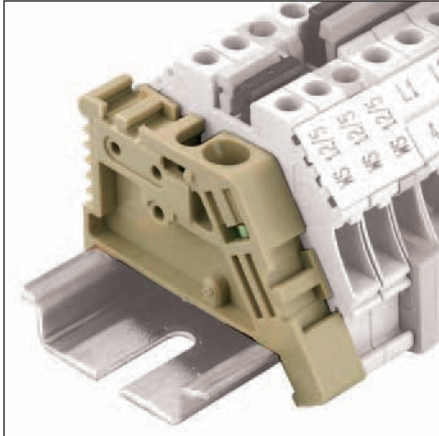
Weidmüller's labelling systems in **Section M** are used to label screw terminals. Individual clamping points, terminal groups and conductors can be marked.

The cover (WAD) can also be used for labelling mains supply points (see **page D.84**)

# Accessories

## Fastening

Page F.30



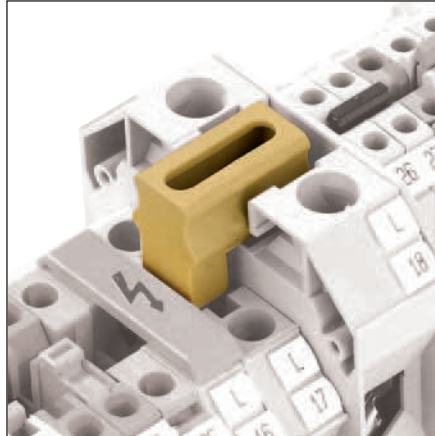
An end bracket is fitted to the right and left of the terminals to locate the terminals on the mounting rail.

The marking surface of the end bracket can also be used for group marking.

Please turn to **Section F** for the wide range of Weidmüller end brackets and mounting rails.

## Electrical supply

Page D.72

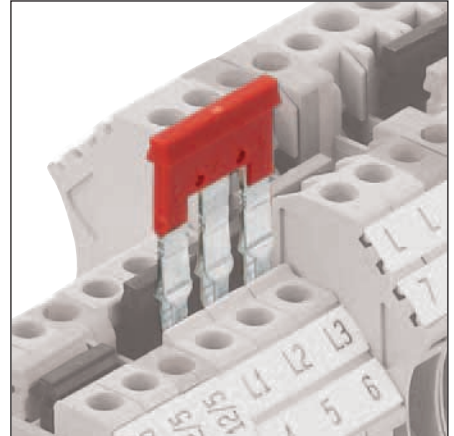


For the W-series, power is supplied via standard terminals in conjunction with a special cross-connection, which directly connects terminals for larger and smaller cross-sections (the picture shows WDU 35 on WDU 4).

It is possible to form a link to screw-in cross-connectors of smaller cross-sections (WQV 2.5/4/6). This extends electrical distribution to any number of other terminals of the smaller cross-section.

## Electrical distribution

Page D.74

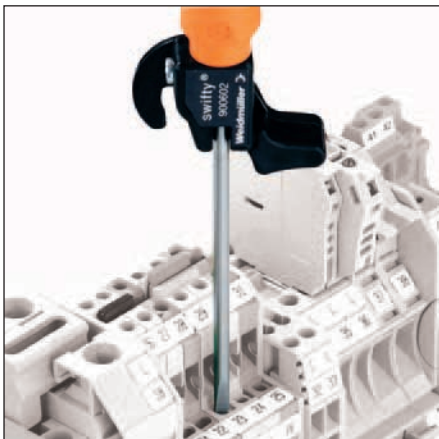


A screw-in and a pluggable cross-connection system is available for Weidmüller screw terminals.

The pluggable **cross-connector (ZQV)** for screw terminals is unique. It enables considerable reductions in assembly times. The pluggable cross-connections can be used for nearly all W-series terminals in the cross-section ranges 2.5 and 4 mm<sup>2</sup>.

## Connecting

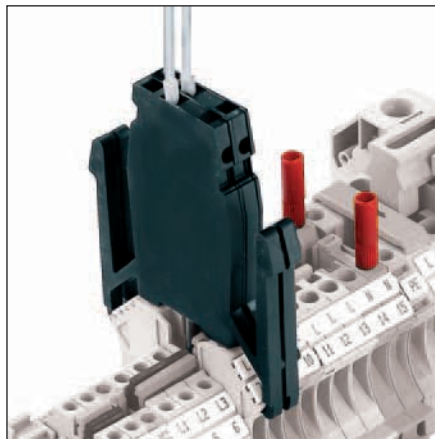
Chapter N



Conductors are connected into Weidmüller terminals using standard screwdrivers, as shown in **Section N**.

## Testing

Page D.82



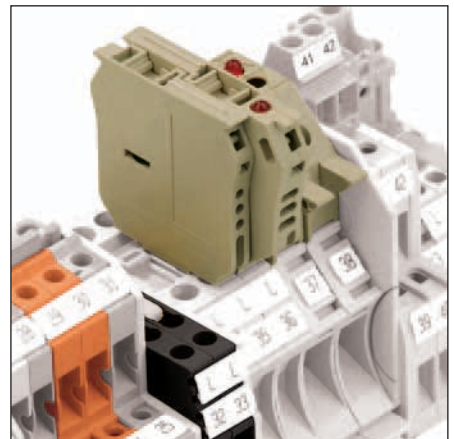
The snap-in test adapter (WTA) is used as a single slice and as a test adapter strip for measurements in switchboards.

The test adapter is ideal for convenient, rational testing of assembled terminals.

It is also possible to perform tests with a socket contact and test plug (page D.79).

## Specific functions/ colour variations

Page B.85



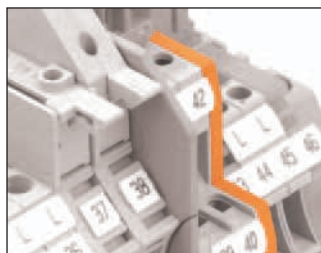
Further helpful accessories are available for screw connection terminals including:

- Plug-in fuse holder (SIHA 1 and SIHA 2)
- Screen plug (LS), shorting plug (WDS)
- Extension connectors (WZAD)
- PEN bridges
- Accessories for measuring and isolating terminals
- Terminals in various colours
- Pre-fitted terminal blocks



# Accessories – Visual separation / side covers

## End plates



### Shock protection

Apart from only a few exceptions, the last terminal of a terminal strip must be covered with an end plate type WAP/AP. End plates are also to be inserted in a terminal strip with different sized terminals.

This guarantees protection from live parts and ensures that the terminals are finger-safe (DIN VDE 0106-100).

### Visual separation

Coloured end plates are frequently used for visual separation of power circuits.

### Guaranteed operating voltage

End plates can also be used for observing the necessary air and creepage clearances to ensure the rated voltage for the application. For example, when cross-connections are positioned immediately adjacent to each other.

### Identical contours

The outer dimensions of the end plates correspond to the cover dimensions of the corresponding terminal.

### Mounting

The end plate can be simply clipped onto the corresponding terminal with clip-in pivot.

Corresponding indentations in the terminal allow the terminals to be correctly located.



## ... for standard design

Type	Colour	Qty.	Order No.	for terminal:		
1.5 mm thick						
WAP 2.5-10	dark beige	50	1050000000	WDU 1.5ZZ	WTR 2.5/SI	WPE 1.5ZZ
WAP 2.5-10 BL	blue	50	1050080000	WDU 2.5/1.5/ZR	WTR 4/SI	WPE 2.5/1.5/ZR
WAP 2.5-10 OR	orange	50	1050060000	WDU 2.5	WSI 6...	WPE 2.5
WAP 2.5-10 BR	brown	50	1050070000	WDU 4	WSI 6/2...	WNT 2.5
WAP 2.5-10 GE	yellow	50	1050020000	WDU 6	WDU 2.5 F	WNT 4
WAP 2.5-10 GN	green	50	1072200000	WDU 10	WDU 2.5 FF	WNT 6
WAP 2.5-10 GR	grey	50	1050050000	WTR 2.5	WDU 4 SL	WNT 10
WAP 2.5-10 RT	red	50	1050040000	WTR 2.5 STB	WDU 6 SL	WDU 2.5/TC..
WAP 2.5-10 SW	black	50	1050010000	WTR 2.5 D	WDU 10 SL	WPO 4
WAP 2.5-10 VI	violet	50	1072210000	WTR 4	WTR 4 SL	
WAP 2.5-10 WS	white	50	1050090000	WTR 4 STB	WTR 4 SI SL	
1.5 mm thick						
WAP 16-35 WTW 2.5-10	dark beige	20	1050100000	WDU 16		
WAP 16-35 WTW 2.5-10 BL	blue	20	1050180000	WDU 35		
WAP 16-35 WTW 2.5-10 OR	orange	20	1050160000			
1.5 mm thick						
WAP WDK 2.5	dark beige	20	1059100000	WDK 2.5	WDK 2.5 PE	WDK 2.5 D...
WAP WDK 2.5 BL	blue	20	1059180000	WDK 2.5 ZQV	WDK 2.5 F	WDK 2.5 LD...
WAP WDK 2.5 GN	green	20	1059140000	WDK 2.5 V	WDK 2.5 FV	
WAP WDK 2.5 WS	white	20	1790910000	WDK 2.5 DU-PE	WDK 2.5 FF	
1.5 mm thick						
WAP WTR 2.5/ZZ	dark beige	20	1074600000	WTR 2.5/ZZ		
WAP WTR 2.5/ZZ BL	blue	20	1074680000			
1.5 mm thick						
WAP WDL 2.5/S	dark beige	20	1067700000	WDL 2.5/S...		
1.5 mm thick						
WAP WDL 2.5	dark beige	20	1067800000	WDL 2.5...		
2.5 mm thick (...ZA = with pivot)						
WAP WDU 1.5/BLZ/ZA	dark beige	50	1577320000	WDU 1.5/BLZ...		
WAP WDU 1.5/BLZ	dark beige	50	1577330000			
2.5 mm thick (...ZA = with pivot)						
WAP WDK 2.5/BLZ/ZA	dark beige	20	1070100000	WDK 2.5/BLZ...		
WAP WDK 2.5/BLZ	dark beige	20	1070000000			
1.5 mm thick						
AP DLI2.5 DB	dark beige	20	1783550000	DLI 2.5 DB...	DLA 2.5 DB...	
1.5 mm thick						
AP DLD2.5 DB	dark beige	20	1784210000	DLD 2.5 DB		
1.5 mm thick						
WAP WTL 6.1	dark beige	20	1068300000	WTL 6.1...	WTQ 6.1...	
WAP WTL 6.1 RT	red	20	1068360000	WTD 6.1...		
2.0 mm thick						
ZAP/TW 1	dark beige	50	1608740000	WTL 4...		
ZAP/TW 1 BL	blue	50	1608750000			
ZAP/TW 1 OR	orange	50	1608760000			
1.5 mm thick						
WAP WDU 1.5/R3.5	dark beige	20	1754190000	WDU 1.5/ R3.5	WPE 1.5/ R3.5	
1.5 mm thick						
WAP WDK 1.5/R3.5	dark beige	20	1754200000	WDK 1.5/ R3.5		
1.5 mm thick						
AP AKZ1.5	beige PA	50	0340560000	AKZ 1.5		
AP AKZ1.5 BL	blue PA	50	0340580000			
2.5 mm thick						
AP AKZ2.5	beige PA	50	0697360000	AKZ 2.5		
AP AKZ2.5 BL	blue PA	50	0697380000			
1.5 mm thick						
AP AKZ4	beige PA	50	0294460000	AKZ 4		
AP AKZ4 BL	blue PA	50	0294480000			

# Accessories – Visual separation / side covers

## End plate for compact design

Type	Colour	Qty.	Order No.	for terminal:
1.5 mm thick				
WAP WDU 2.5N/4N	dark beige	50	1060000000	WDU 2.5N
WAP WDU 2.5N/4N BL	blue	50	1060080000	WDU 4N
WAP WDU 2.5N/4N GE	yellow	50	1060090000	
WAP WDU 2.5N/4N OR	orange	50	1060060000	

1.5 mm thick				
WAP WDK 2.5/4N	dark beige	20	1084000000	WDK 2.5N
WAP WDK 2.5/4N BL	blue	20	1084080000	WDK 2.5N V WDK 2.5N DU-PE WDK 2.5N PE WDK 4N WDK 4N V WDK 4N DU-PE WDK 4N PE

## Partition plates



### Guaranteed operating voltage

The main function of the partition plates is to preserve the necessary creepage and air clearances, depending on the operating voltage, for example in applications with increased protection (ATEX) or neighbouring cross-connection groups.

This is why the partition plates are much larger than the corresponding terminals.

### Visual separation

The partition plates can be used for very clear visual separation of circuits on one terminal strip.

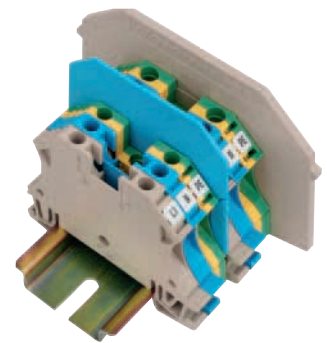
### Dimensions

#### WAP 16+35 WTW 2.5-10

Length	60 mm
Height with TS 35 x 7.5	63 mm

#### WTW EN

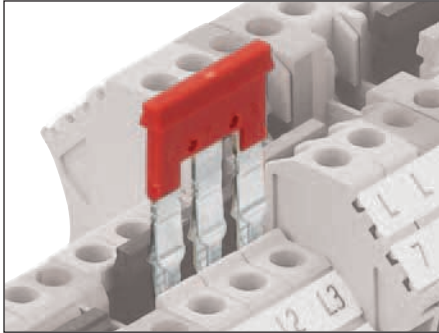
Length	86 mm
Height with TS 35 x 7.5	63 mm



Type	Colour	Qty.	Order No.	for terminal:
1.5 mm thick				
WAP 16-35 WTW 2.5-10	dark beige	20	1050100000	WDU 1.5/ZZ
WAP 16-35 WTW 2.5-10 BL	blue	20	1050180000	WDU 2.5/1.5/ZR
WAP 16-35 WTW 2.5-10 OR	orange	20	1050160000	WDU 2.5 - 35 WDU 2.5 F... WDU 2.5/TC WDU 4 SL - 10 SL WPE 2.5 - 35 WNT 2.5-10 WTR 2.5... WTR 4... WSI 6... WPO 4
3.0 mm thick				
WTW EN	dark beige	20	1058800000	WDK 2.5... WDK 2.5 F... WDK 2.5N... WDK 4N...

# Accessories – Electrical distribution

## Pluggable cross-connection ZQV



### Unique for screw terminals

Weidmüller is the only producer to offer a pluggable cross-connection system for screw terminals. The pluggable cross-connections stand out with their easy handling and quick assembly, resulting in considerable time savings compared to screwed assembly solutions.

**D**

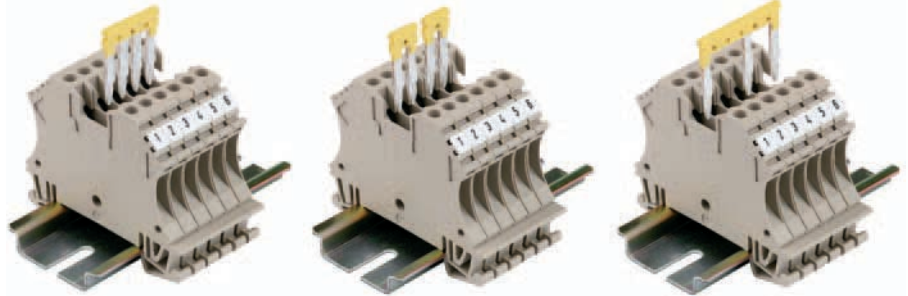
### Assembly

- The ZQV is pressed into the cross-connection channel by hand.
- **Important!** Ensure that the ZQV is pressed right in. The cross-connector must not protrude out of the cross-connection channel.
- To replace or remove, simply lever out with a screwdriver.

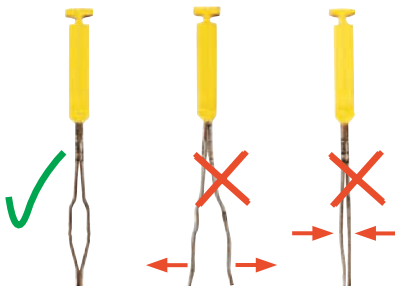
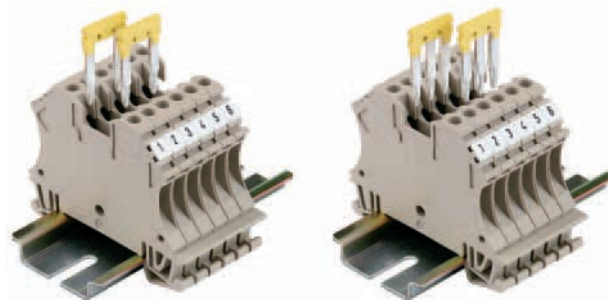
### Technical information

- Finger-safe to VDE 0160 part 100 (VGB 4)
- Reduced rated voltage 400 V
- Different colours can be used to mark different potential
- **Important!** The contact elements must not be deformed.

### In one cross-connection channel



### In two cross-connection channels

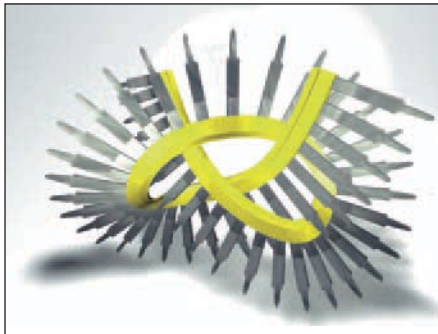


Possible cross-connections of terminals of the same type with appropriate cross-connectors

Terminal type	Cross-connector	single	adjacent	skipping	parallel skipping	parallel extending
Standard						
WDU 1.5/ R3.5	ZQV 1.5/ R3.5	•	•	•		
WDK 1.5/ R3.5	ZQV 1.5/ R3.5	•	•	•		
WDU 2.5/1.5/ZR	ZQV 2.5N	•	•	•	•	•
WDU 2.5	ZQV 2.5N	•	•	•	•	•
WDK 2.5 ZQV	ZQV 2.5N	•	•	•		
WTR 2.5/ZZ	ZQV 2.5	•	•	•		
WDU 4	ZQV 4N	•	•	•	•	•
WTR 4...	ZQV 4N	•	•	•		
Compact						
WDU 2.5N ZQV	ZQV 2.5N	•	•	•	•	•
WDK 2.5N...	ZQV 2.5N	•	•	•		
WDK 2.5N PE	ZQV 2.5N	•	•	•		
WDU 4N	ZQV 4N	•	•	•	•	•
WDK 4N...	ZQV 4N	•	•	•		
WDK 4N PE	ZQV 4N	•	•	•		

# Accessories – Electrical distribution

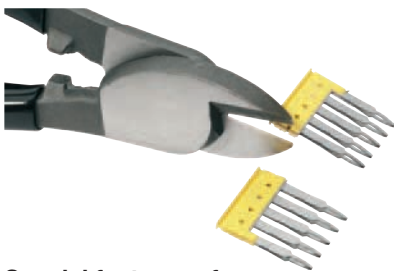
## ZQV pluggable cross-connector



### Continuous cross-connector

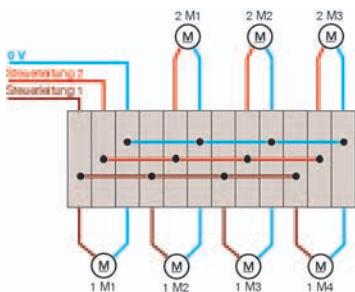
ZQV 2.5N/50 (50-pole) and ZQV 4N/41 (41-pole) are ideal for shortening (e.g. with tool KT ZQV-9002170000) to produce customised configurations with the required number of poles.

More than 25 poles in a row are not recommended because of the resulting tolerances in the terminals.



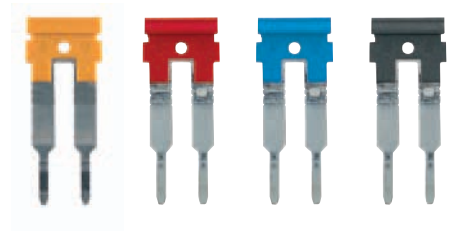
### Special features of WDU 2.5, WDU 4 and WDU 2.5/1.5/ZR

- Parallel distribution of 3 potentials  
**Important!** Rated voltage reduced to 125 V!
- Parallel distribution of 2 potentials  
**Important!** Only when using the outer cross-connection holes at 400V
- The middle cross-connection hole can be used for either ZQV or WQV



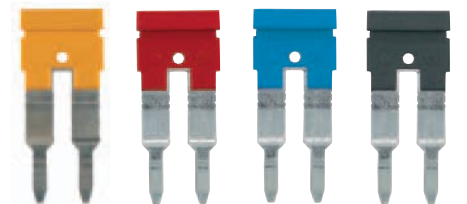
**Important!** For shortened ZQV located adjacent to each other (with bare cut edges), end plates or partition plates are necessary for rated voltage of 250 V

## ZQV 2,5N



No. of poles	Type	Qty	Order no. yellow	Order no. red	Order no. blue	Order no. black
2	ZQV 2.5N/2	60	1693800000	1717900000	1717990000	1718080000
3	ZQV 2.5N/3	60	1693810000	1717910000	1718000000	1718090000
4	ZQV 2.5N/4	60	1693820000	1717920000	1718010000	1718100000
5	ZQV 2.5N/5	20	1693830000	1717930000	1718020000	1718110000
6	ZQV 2.5N/6	20	1693840000	1717940000	1718030000	1718120000
7	ZQV 2.5N/7	20	1693850000	1717950000	1718040000	1718130000
8	ZQV 2.5N/8	20	1693860000	1717960000	1718050000	1718140000
9	ZQV 2.5N/9	20	1693870000	1717970000	1718060000	1718150000
10	ZQV 2.5N/10	20	1693880000	1717980000	1718070000	1718160000
50	ZQV 2.5N/50	10	1693890000	1718170000	1718180000	1718190000
	<b>for standard terminal</b>		<b>for compact terminal</b>			
	WDU 2.5/1.5 ZR		WDU 2.5N			
	WDU 2.5		WDK 2.5N			
	WDK 2.5/ ZQV		WDK 2.5N V			
	WDU 1.5 BLZ 5.08/ ZQV		WDK 2.5N DU-PE			

## ZQV 4N



No. of poles	Type	Qty	Order no. yellow	Order no. red	Order no. blue	Order no. black
2	ZQV 4N/2	60	1758250000	1793950000	1793960000	1793970000
3	ZQV 4N/3	60	1762630000	1793980000	1793990000	1794000000
4	ZQV 4N/4	60	1762620000	1794010000	1794020000	1794030000
5						
6						
7						
8						
9						
10	ZQV 4N/10	20	1758260000	1794040000	1794050000	1794060000
41	ZQV 4N/41	10	1758270000	1794070000	1794080000	1794090000
	<b>for standard terminal</b>		<b>for compact terminal</b>			
	WDU 4		WDU 4N			
	WTR 4		WDK 4N			
	WTR 4 SI		WDK 4N V			
	WTR 4 SL		WDK 4N DU-PE			

## Accessories – Electrical distribution

### WQV screw cross-connector



When used together with W-series terminals, WQV insulated cross-connection units guarantee absolute safety for finger and back-hand in accordance with the accident prevention regulation "Electrical systems and equipment" (VGB4).

It is very easy to produce individual configurations thanks to the many different options offered by the WQV cross-connection system, by breaking out individual segments, creating any required number of poles or routing two potentials in parallel, etc.

#### Technical instructions

- The full rated current of the terminals can be routed across any number of poles.
- No end plates or partition plates needed for adjacent WQV up to 400 V.

#### Assembly

- Place the WQV in the cross-connection channel in the middle of the terminal and screw tight.
- Individual WQV segments can be broken out by bending over or using the WAW1 tool. It is then possible to bridge individual or several terminals.
- Captive fixing screws.
- Snap onto the clamped support – simple overhead assembly.

#### Any number of poles (extending)

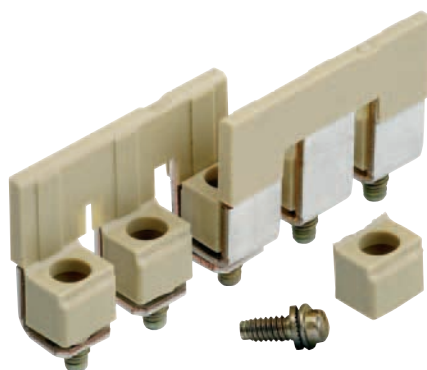
Pre-fitted cross-connectors can be set one after the other to produce any required number of poles.

To do so, arrange the last and first contact points of two identical WQVs so that they overlap.

- First, remove the fixing screw and screwdriver guide (insulated part) at one of the outer contact points of one of the WQVs.



- Then insert the WQV without fixing screw and insulated part. At the same time, insert an unmodified WQV in parallel so as to produce an overlap at the connection. The connection is screwed tight using the fixing screw of the unmodified WQV.

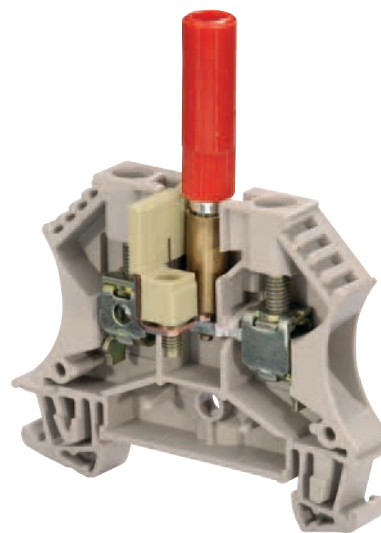


#### Routing 2 potentials in parallel

- In spite of only having 1 channel, the WQV cross-connection system can still be used for offset cross-connections. See the photo "parallel skipping".

#### WQV in combination with a socket contact and test plug

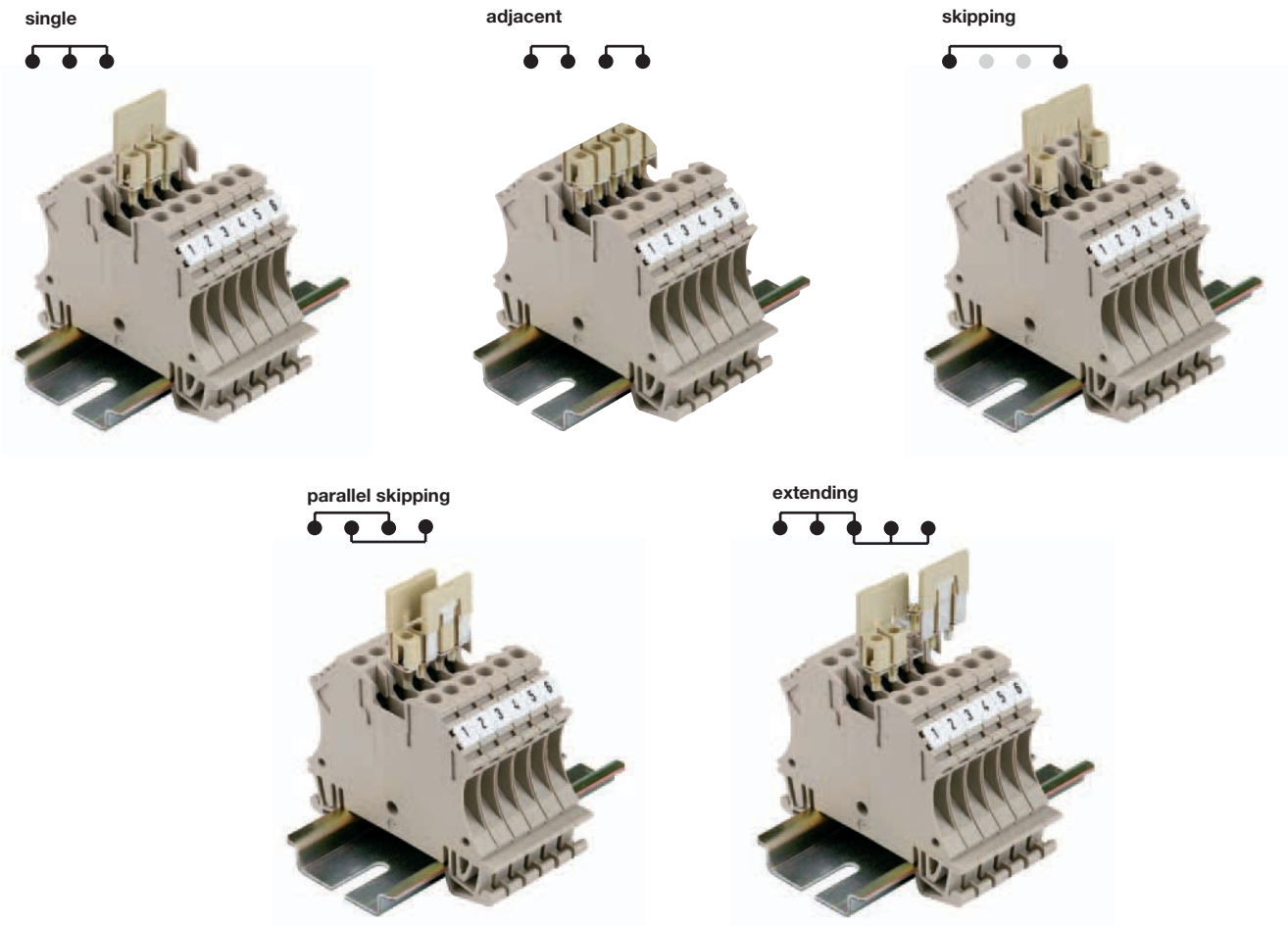
- Remove the fixing screw and insulation part of the WQV. Screw the socket in at this point. This now makes it possible to integrate a safe test point.



# Accessories – Electrical distribution

## Screw-in cross-connector – possible combinations

### In one cross-connection channel



### Possible cross-connections of terminals of the same type with appropriate cross-connectors

Terminal type	Cross-connection	single	adjacent	skipping	parallel skipping	extending
Standard						
WDU 1.5/ZZ	WQV 2.5	•	•	•	•	•
WDU 1.5/BLZ	WQV 2.5	•	•	•	•	•
WDU 2.5/1.5/ZR	WQV 2.5	•	•	•	•	•
WDU 2.5 - WDU 35	WQV 2.5 - WQV 35	•	•	•	•	•
WDK 2.5...	WQV 2.5	•	•	•	•	•
WDK 2.5 PE	WQV 2.5	•	•	•	•	•
WDU 2.5/BLZ	WQV 2.5	•	•	•	•	•
WDK 2.5/BLZ	WQV 2.5	•	•	•	•	•
WDU 2.5 F...	WQV 2.5	•	•	•	•	•
WDK 2.5 F...	WQV 2.5	•	•	•	•	•
WDU 4 SL - WDU 10 SL	WQV 4 - WQV 10	•	•	•	•	•
WDU 70/95	WQV 70/95	•	•	•	•	•
WDU 120/150	WQV 120/150	•	•	•	•	•
WDU 240	WQB 240	•	•	•	•	•
Compact						
WDU 2.5N	WQV 2.5	•	•	•	•	•
WDU 2.5N 600V	WQV 2.5	•	•	•	•	•
WDU 16N	WQV 16N	•	•	•	•	•
WDU 35N	WQV 35N	•	•	•	•	•
WDU 50N	WQV 50N	•	•	•	•	•
WDU 95N/120N	WQV 95N/120N	•	•	•	•	•

# Accessories – Electrical distribution

## Screw-in cross-connectors

### WQV 2.5



Technical data	
Continuous current 2-pole/multi-pole	A
Thread size	M 2.5
Tightening torque	Nm
<b>Order data</b>	
2-pole	WQV 2.5/2
3-pole	WQV 2.5/3
4-pole	WQV 2.5/4
5-pole	WQV 2.5/5
6-pole	WQV 2.5/6
7-pole	WQV 2.5/7
8-pole	WQV 2.5/8
9-pole	WQV 2.5/9
10-pole	WQV 2.5/10
15-pole	WQV 2.5/15
32-pole	WQV 2.5/32

Type	Qty	Order No.
32 / 32		
M 2.5		
0.4 ... 0.7		
WQV 2.5/2	50	1053660000
WQV 2.5/3	50	1053760000
WQV 2.5/4	50	1053860000
WQV 2.5/5	10	1053960000
WQV 2.5/6	10	1054060000
WQV 2.5/7	10	1054160000
WQV 2.5/8	10	1054260000
WQV 2.5/9	10	1054360000
WQV 2.5/10	20	1054460000
WQV 2.5/15	10	1059660000
WQV 2.5/32		1577600000

for terminal	
WDU 1.5 ZZ	WDK 2.5
WDU 1.5 BLZ	WDK 2.5 V
WDU 2.5/1.5 ZR	WDK 2.5 DU-PE
WDU 2.5	WDK 2.5 F
WDU 2.5 F	

### WQV 4



Type	Qty	Order No.
41 / 41		
M 3		
0.5 ... 0.8		
WQV 4/2	50	1051960000
WQV 4/3	50	1054560000
WQV 4/4	50	1054660000
WQV 4/5	10	1057860000
WQV 4/6	10	1057160000
WQV 4/7	10	1057260000
WQV 4/8	10	1057960000
WQV 4/9	10	1058060000
WQV 4/10	20	1758260000
WQV 4/15	10	1057460000

for terminal	
WDU 4	
WDU 4 SL	

### WQV 6



Type	Qty	Order No.
57 / 57		
M 3		
0.5 ... 0.8		
WQV 6/2	50	1052360000
WQV 6/3	50	1054760000
WQV 6/4	50	1054860000
WQV 6/5	50	1062660000
WQV 6/6	50	1062670000
WQV 6/7	50	1062680000
WQV 6/10	20	1052260000

for terminal	
WDU 6	
WDU 6 SL	

### WQV 35N



Technical data	
Continuous current 2-pole/multi-pole	A
Thread size	M 4
Tightening torque	Nm
<b>Order data</b>	
2-pole	WQV 35N/2
3-pole	WQV 35N/3
4-pole	WQV 35N/4
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
15-pole	
32-pole	

Type	Qty	Order No.
115 / 100		
M 4		
1.2 ... 1.8		
WQV 35N/2	50	1079200000
WQV 35N/3	50	1079300000
WQV 35N/4	50	1079400000

for terminal	
WDU 35N	

### WQV 50N

finger-safe with cover WAD

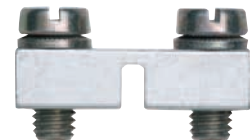


Type	Qty	Order No.
150 / 150		
M 6		
2.5 ... 4.5		
WQV 50N/2	10	1834060000
WQV 50N/3	10	1834070000
WQV 50N/4	10	1834080000

for terminal	
WDU 50N	

### WQV 70N

finger-safe with cover WAD



Type	Qty	Order No.
192 / 192		
M 6		
2.5 ... 4.5		
WQV 70N/2	5	9512240000
WQV 70N/3	5	9512250000
WQV 70N/4	5	9531290000

for terminal	
WDU 70N	

# Accessories – Electrical distribution

## WQV 10



76 / 63		
M 3		
0.5 ... 0.8		
Type	Qty	Order No.
WQV 10/2	50	1052560000
WQV 10/3	50	1054960000
WQV 10/4	50	1055060000
WQV 10/10	20	1052460000
<b>for terminal</b>		
WDU 10		
WDU 10 SL		
WDU 10 ZR		

## WQV 16



101 / 76		
M 4		
1.2 ... 1.8		
Type	Qty	Order No.
WQV 16/2	50	1053260000
WQV 16/3	50	1055160000
WQV 16/4	50	1055260000
WQV 16/10	10	1053360000
<b>for terminal</b>		
WDU 16		

## WQV 16N



76 / 57		
M 4		
1.2 ... 1.8		
Type	Qty	Order No.
WQV 16N/2	50	1636560000
WQV 16N/3	50	1636570000
WQV 16N/4	50	1636580000
<b>for terminal</b>		
WDU 16N		

## WQV 35



138 / 112		
M 4		
1.2 ... 1.8		
Type	Qty	Order No.
WQV 35/2	50	1053060000
WQV 35/3	50	1053360000
WQV 35/4	50	1055460000
<b>for terminal</b>		
WDU 35		

## WQV 70

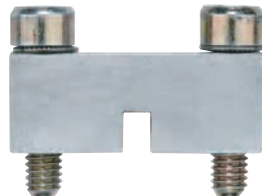
finger-safe with cover WAD



232 / 232		
M 5		
2.0 ... 4.0		
Type	Qty	Order No.
WQV 70/2	5	1063500000
WQV 70/3	5	1063600000
<b>for terminal</b>		
WDU 70/95		

## WQV 95N/120N

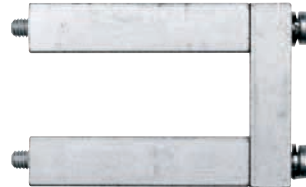
finger-safe with cover WAD



269 / 269		
M 6		
3.0 ... 4.5		
Type	Qty	Order No.
WQV 95N/120N/2	5	1826890000
WQV 95N/120N/3	5	1826900000
<b>for terminal</b>		
WDU 95N/120N		

## WQV 120

finger-safe with cover WAD



292 / 292		
M 5		
2.0 ... 4.0		
Type	Qty	Order No.
WQV 120/2	5	1063300000
WQV 120/3	5	1063400000
<b>for terminal</b>		
WDU 120/150		

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany. Delivery times see page X.2



# Accessories – Specific functions

## PEN bridges

Energy distribution for machines or in buildings usually consists of 5-conductor systems (TN-S). By contrast, energy supply mains are frequently rated as 4-conductor connection. A PEN bridge is used to split the joint PE and N conductor into 2 separate conductors, transforming the TN-S to a TN-C mains.

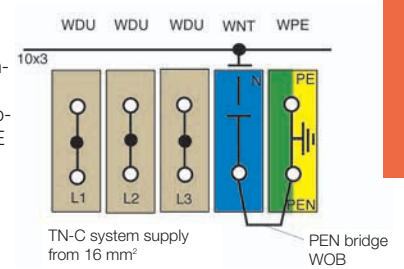
### Standard installation

Depending on the terminal type, inside or outside PEN bridges are available for both PE and N conductor terminals from 10 mm<sup>2</sup>.

**Important!** For outside bridges, please note that in this context only the next smaller rated cross-section (than standard) can be connected.

### Building installation with N conductor isolation

There are special outside cross-connectors (WQB-PEN) for isolating neutral terminals (WNT) which establish the contact between NT and PE terminals. This results in an earthed neutral conductor with protection function in three-phase systems.



## External PEN bridge



## Inside PEN bridge



### WQB-PEN ...

Type	Qty	Order No.	for terminal
<b>with standard terminals</b>			
WQB-PEN 10	10	1060300000	WPE 10 WDU 10 BL
WQB-PEN 16	10	1060200000	WPE 16 WDU 16 BL
WQB-PEN 3	10	1060100000	WPE 35N WDU 35N BL
<b>with isolating neutral terminals</b>			
WQB-PEN 16N	10	1079600000	WNT 16N WPE 16N
WQB-PEN 35N	10	1079500000	WNT 35N WPE 35B
WQB-PEN 70N	10	1079700000	WNT 70N WPE 70N

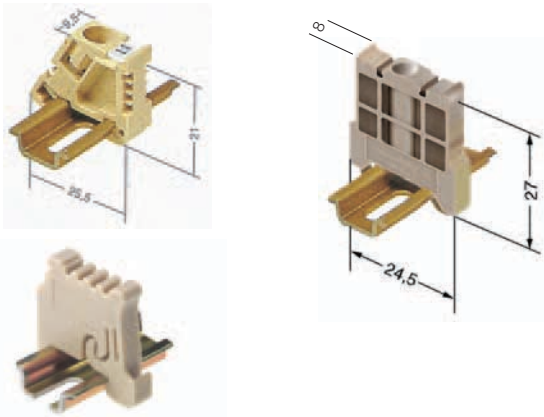
### WQV ... -PEN

Type	Qty	Order No.	for terminal
WQV 16N-PEN	10	1071360000	WPE 16N WDU 16N BL
WQV 70N-PEN	5	9525840000	WPE 70N WDU 70N BL
WQV 70/95-PEN	5	1072300000	WPE 70/95 WDU 70/95 BL
WQV 120-PEN	5	1072400000	WPE 120/150 WDU 120/150 BL

# Mounting rail systems

## End holders

### For TS 15 mounting rail

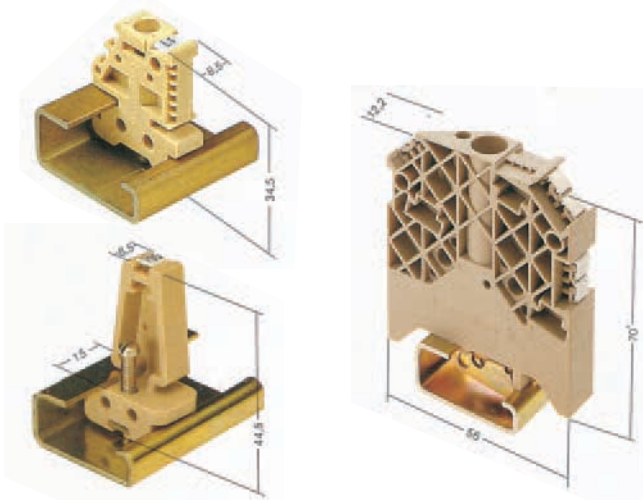


Polyamide 66, screwable	Colour	Torque	Qty	Order no.
EWK AKA 2.5	Beige	0.4 Nm	50	0348660000
EW 15	Beige	0.4 Nm	50	0382860000

Polyamide with fibreglass, screwable	Colour	Torque	Qty	Order no.
EW 15/2	Dark beige	0.4 Nm	50	1071900000

Polyamide 66, screwless	Colour	Torque	Qty	Order no.
ZEW 15	Beige	-	20	7920340000

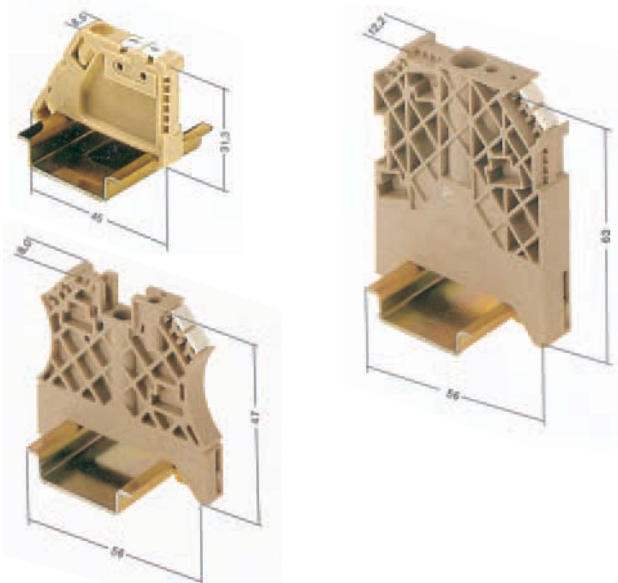
### For mounting rail TS 32



Polyamide 66, screwable	Colour	Torque	Qty	Order no.
EWK 2	Beige	1.2 Nm	50	0199360000
EWK 1 TS 32 M4X18	Beige	1.2 Nm	50	0206160000
EWK 1 ALT	Beige	0.6 Nm	50	0495160000

Polyamide with fibreglass, screwable	Colour	Torque	Qty	Order no.
WEW 32/1	Dark beige	0.5 Nm	50	1067600000

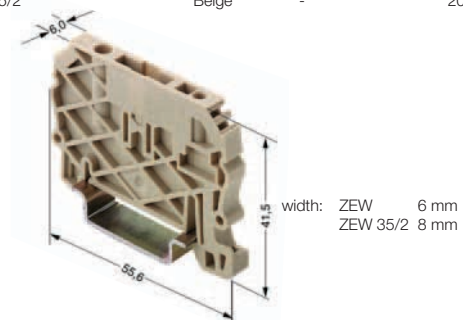
### For mounting rail TS 35



Polyamide 66, screwable	Colour	Torque	Qty	Order no.
EW 35 GR	Grey	0.5 Nm	50	0383530000
EW 35	Beige	0.5 Nm	50	0383560000

Polyamide with fibreglass, screwable	Colour	Torque	Qty	Order no.
WEW 35/1	Dark beige	1.2 Nm	50	1059000000
WEW-35/2	Dark beige	0.5 Nm	100	1061200000

Polyamide 66, screwless	Colour	Torque	Qty	Order no.
ZEW	Beige	-	20	9540000000
ZEW 35/2	Beige	-	20	8630740000



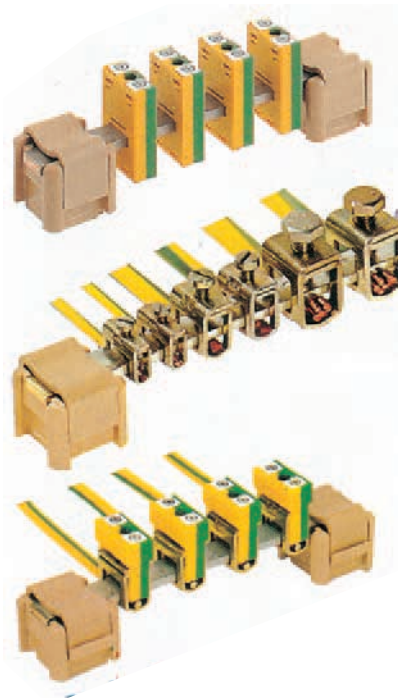
# Busbar systems

## Busbars

In switchgears and controls, it may be necessary to bring the neutral conductor and the protective conductor together at a central point. Busbars are available for this purpose and can be used for connecting a large number of conductors in a confined space (up to 70 conductors on a 1 m busbar). The conductors are connected by means of a pressure piece or tension clamp; the former does not entail bending the eyelets. A guide lug on the pressure piece engages in the busbar and holds the pressure piece firmly so that it cannot twist. The tension clamps can be pushed on the busbar and adjusted to the entire wiring in the system. The busbars can be used unperforated in any lengths. They are fixed using the SH busbar holder which can, for longer busbars, also be positioned between the tension clamps.

## Tension clamps

(see page F.24 – F.25)



In order to bring together neutral conductors and protective conductors at a central point, it is advantageous to use ZB tension clamps together with 10 x 3 or 6 x 6 busbars. The tension clamps can be pushed onto the busbar and adjusted to the entire wiring in the system.

The tension clamp serves as the protective conductor connection and can be supplied with green/yellow insulating caps. These caps indicate the protective function and marking tags allow clear identification of each conductor.

If the tension clamps are used to connect neutral conductors, they can be marked with a blue insulating cap.

ZBE6 can also be swivelled onto the busbar retrospectively.

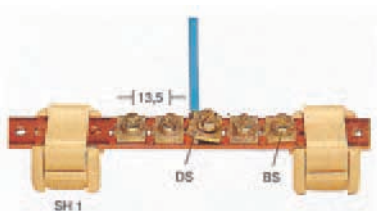
## Busbars, unperforated



### SSch

Type	Material	Cross-section	Length	Current carrying capacity	Qty	Order no.
SSch 10x3	Copper, tin-plated	10 x 3 mm	1 m	140 A	1	0348900000
SSch 10x3	Steel, galvanised	10 x 3 mm	1 m		1	0438000000
SSch 10x3	Brass, bright	10 x 3 mm	1 m	100 A	1	0259800000
SSch 6x6	Copper, tin-plated	6 x 6 mm	1 m	140 A	1	0571300000
SSch 6x6	Brass, bright	6 x 6 mm	1 m	100 A	1	0571200000
SSch 15x6	Copper, tin-plated	15 x 6 mm	1 m	265 A	1	0357400000

## Busbars, perforated



### NSch / ESch

Type	Material	Cross-section	Length	Power Rating	Qty	Order no.
NSch 15x2	Copper, bright	15 x 2 mm	1 m	80 A	1	0280200000
ESch 12x2	Steel, galvanised	12 x 2 mm	1 m		1	0280300000

Pressure piece	Qty	Order no.
DKSUE	100	0280100000
Clamping screw	Qty	Order no.
BFSC M5x8	100	0296700000

### Connection data NSch/ESch

Screw connection solid	0.5 ... 2.5 mm <sup>2</sup>
Stripping length	9 mm
Cable lug connection	max. 16 mm <sup>2</sup>
Max. current per connection	27 A