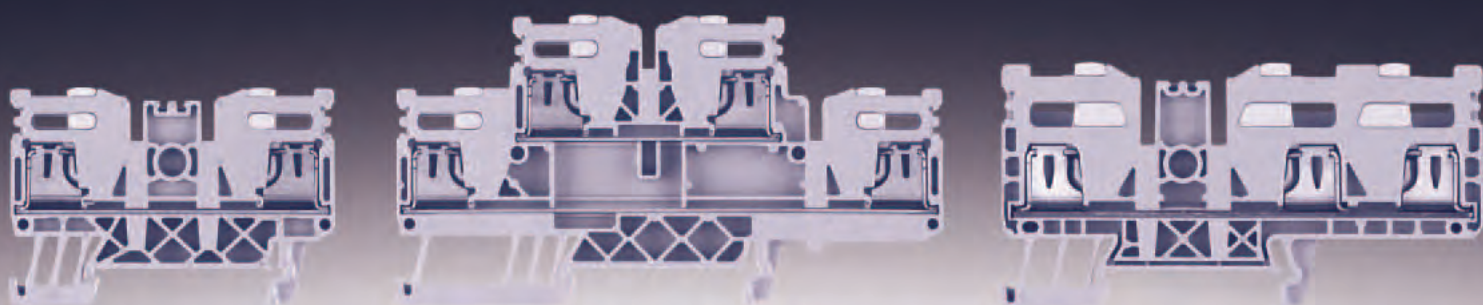


# INSULATION DISPLACEMENT CONNECTION INSULATION DISPLACEMENT CONNECTION



IDC2 IDC2 IDC2 IDC2 IDC2 IDC2

IDC2

## IDC2

## PRODUCT INFORMATION

When good enough just isn't good enough

**Weidmüller** 

## IDC-TECHNOLOGY

IDC is the abbreviation for Insulation Displacement Connection (otherwise known as cut and clamp technology). Innovative, more efficient, even more cost-saving as well as having the highest possible degree of contact reliability – the new generation IDC2 is the most modern product that Weidmüller presently has on offer in the field of connection technology. This tried and tested connection technology from the fields of telecommunication and electronics is now turning up trumps in industrial applications in terminal block technology.

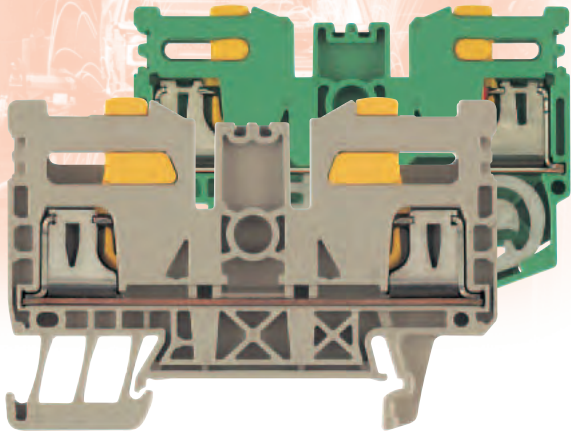
IDC connection technology requires very little effort to install, and it guarantees a reliable contact.

**No stripping of insulation, no screws, no special tools.**

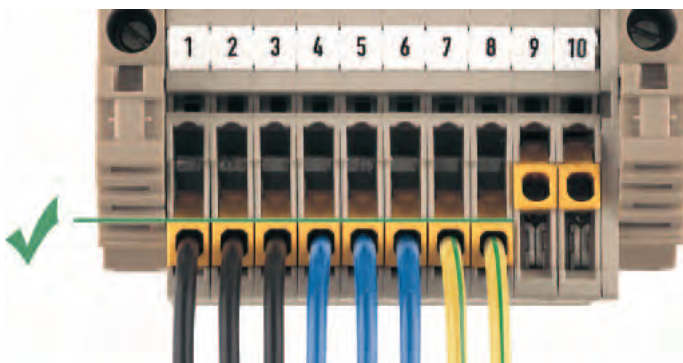
All standardised PVC cables with wire cross-sections between 0.21 and 1.5 mm<sup>2</sup> (0.5 and 2.5 mm<sup>2</sup>) can be connected.

Call us if you need to use special cables or visit our website: [www.idc2.de](http://www.idc2.de).

We keep an up-to-date list of cables, and it is constantly being updated. If you have a cable that is not suitable for this method of connection, then our hybrid terminals could well be the answer. These terminals are available with IDC connections on the one side and on the other side they are fitted with either screw or spring connections.



## REVOLUTIONARY TERMINAL TECHNOLOGY AND VISUAL FUNCTIONAL CHECK



IDC2 technology doesn't just put you at the leading edge of quality, innovation and time saving, but also when it comes to contact visibility. The position of the sliding yellow contacts tells you at a glance if the wire is reliably connected.

### External tensioning

In keeping with the proven Weidmüller principle, the externally tensioned IDC contact is also used here.

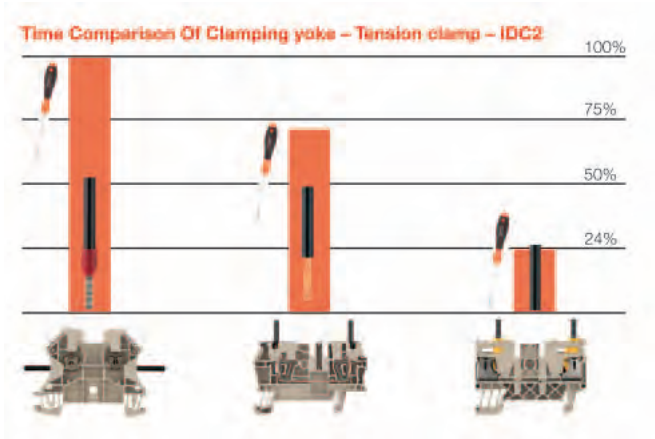
That means: **safe separation of mechanical and electrical functions**. This principle offers you the highest possible degree of safety and flexibility for the wire cross-sections to be connected.



### Your advantages with IDC2

- **Visible, reliable contact**
- **Highest degree of contact safety**
- **Enormous savings in time and costs**
- **Easy to use**
- **Compact design**
- **Wide range of terminals available**
- **Cross-connection options to Weidmüller's Z-Range**
- **Diverse range of accessories**

# ENORMOUS TIME SAVINGS

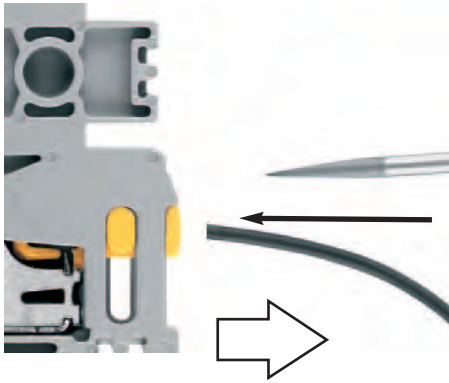


## Faster connection ... more reliable contact

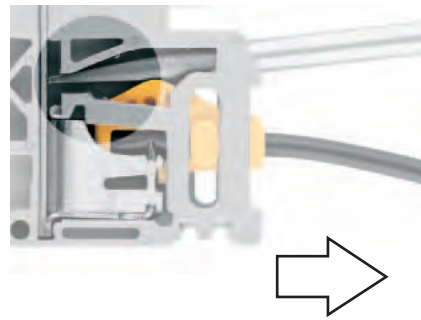
Potential timesavings of up to 76 % in comparison to traditional terminal blocks when you use IDC2 technology to connect conductors.

And that without the need for additional tools!

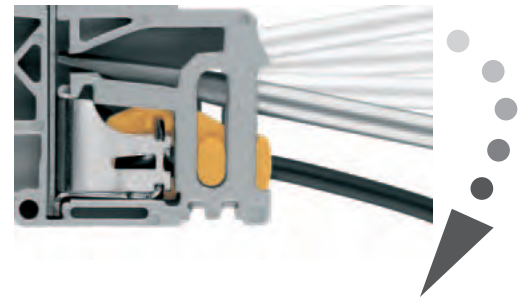
# HIGHEST POSSIBLE DEGREE OF CONTACT SAFETY



The wire is cut to the required length and inserted directly into the terminal point, ...



...the screwdriver is then inserted and placed against the front of the slider.



The slider is pressed using the screwdriver the slider just locks into position.

Remove the screwdriver – the wire is secured. No stripping of insulation or crimping of ferrules, no special tools are necessary.

# A LOOK INSIDE...

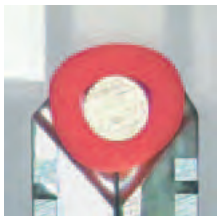


Photo 1



Photo 2



Photo 3

...illustrates the **advantage of our technology** compared with other technologies.

Photo 1 – conductor being cut into: insulation is pre-cut.

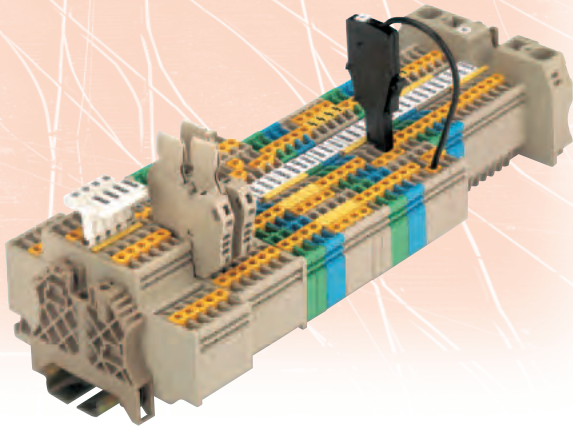
Photo 2 – conductor at the connecting stage: insulation is cut through, the first contact is made with the busbar.

Photo 3 – conductor in end position: insulation is completely cut through, extensive and reliable contact is guaranteed.



## MIX IT ON THE RAIL

With IDC2 and Z-Range, you are using two top systems. IDC2 and Z-Range components can easily be connected using standard Z-Range cross-connections. Distribute the voltage via large cross-sections using Z-Range terminals (for example, supply terminal ZEI 16). Distribute via smaller cross-sections.



### Approvals

Of course, the products have the required approvals or they have been applied for.

## WEIDMÜLLER IS SETTING STANDARDS

Weidmüller IDC2 terminals fulfill the requirements of the IEC 60947-7-1 and -2 standards (terminal block standards) and EN 60352-4 (insulation displacement standard)

	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
• <b>Base conductors:</b>	single core H05V-U: 0.5 ... 1.0 mm <sup>2</sup> single core H07V-U: 1.5 mm <sup>2</sup> fsingle core H05V-K: 0.5 ... 1.0 mm <sup>2</sup> flexible core H07V-K: 1.5 mm <sup>2</sup> sensor conductors 0.25 and 0.34 mm <sup>2</sup>	single core H05V-U: 0.5 ... 1.0 mm <sup>2</sup> single core H07V-U: 1.5 ... 2.5 mm <sup>2</sup> flexible core H05V-K: 0.5 ... 1.0 mm <sup>2</sup> flexible core H07V-K: 1.5 ... 2.5 mm <sup>2</sup> –
• <b>Insulation material of the conductor:</b>	PVC, other insulation on request	PVC, other insulation on request
• <b>Max. terminal range:</b>	0.21 mm <sup>2</sup> – 1.5 mm <sup>2</sup> < 0.5 mm <sup>2</sup> /AWG 20 with reducing sleeve IRH 1.5	0.5 mm <sup>2</sup> – 2.5 mm <sup>2</sup> ≤ 1.0 mm <sup>2</sup> /AWG 18 with reducing sleeve IRH 2.5
• <b>Max. external dimensions:</b>	< = 3.0 mm (from 3.0 mm to 3.2 mm on request)	< = 3.9 mm
• <b>Min. external dimensions:</b>	< 0.5 mm <sup>2</sup> /AWG 20: ≥ 1.3 mm	–
• <b>Diameter of single core:</b>	min. 0.1 mm	min. 0.15 mm
• <b>Number of circuits:</b>	10 x: 9 x with the max. conductor 10th with the min. conductor	10 x: 9 x with the max. conductor 10th with the min. conductor
• <b>Temperature range</b>	Connect/Disconnect: 0°C to +40°C, other (< 0°C) on request	Connect/Disconnect: 0°C to +40°C, other (< 0°C) on request

## A SYSTEM...

is only as good as the total of its individual components.  
Our range of accessories:



Safety switch SIHA

### Fuse and separate

Fuse holder SIHA  
Modular disconnect test terminals and fuse terminals can be extended.



Test plug PS 2.3

### Testing and maintenance

Test plug PS 2.3  
With integrated testing points in all disconnect and fuse terminals.



Test adapter ITA

### Test adapter ITA

In the screwdriver insert shaft of the feed-through terminals.



IAP- Partition plates / end plates

### Partitions and end plates

IAP partitions/end plates  
Optical separation of terminal groups; safe from finger touch with changing exterior contours.



New standard marker WS 10/5 middle

### Markers

Standard markers DEK 5, WS 10  
Various marking options thanks to a large standard program.  
We have developed a new WS 10/5 middle based on the I-Series.



Snap Mark I

### Markers for double level terminal blocks

Snap Mark I  
Convenient marking of double level terminal blocks with 2 x WS 10/5 or 4 x DEK.

## A WORLDWIDE FIRST FROM WEIDMÜLLER: SWIFTY® AND SWIFTY® SET

The perfect professional tool for pinch-free cutting of solid-core copper wires up to 1.5 mm<sup>2</sup> (AWG 18) and flexible core wires up to 2.5 mm<sup>2</sup> (AWG 14).

### SWIFTY®:

The innovative cable cutter for attaching to non-insulated screwdrivers with a shaft diameter of 3.5 mm.

### SWIFTY®SET:

The combined cut-and-screw tool comprising a Weidmüller screwdriver and the swifty®.



#### Your advantages

- **Potential for rationalisation:**  
No need to change tools when wiring with IDC2
- **The cutting edge opens automatically and cuts precisely and straight**
- **Durable blades with a long service life**

# Feed-through terminal blocks

## IDU 1.5N



## IDU 1.5N/3AN



### Dimensions/Approvals

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

5 / 59,5 / 40,5

5 / 78,5 / 40,5

### Rating following IEC 60 947-7-1

Rated voltage/current/cross-section

500 V / 17,5 A / 1,5 mm<sup>2</sup>

500 V / 17,5 A / 1,5 mm<sup>2</sup>

Rated impulse voltage/pollution severity

6 kV 3

6 kV / 3

### Further technical data

Clampable conductors:

Single core / flexible core H05V-U/K

mm<sup>2</sup>

0,5 ... 1,0

0,5 ... 1,0

Single core / flexible core H07V-U/K

mm<sup>2</sup>

1,5

1,5

fine stranded (min. individual diameter 20,1 mm)

mm<sup>2</sup>

0,25 and 0,34\*\*

0,25 and 0,34\*\*

AWG-conductor size

AWG

24 ... 16

24 ... 16

mm<sup>2</sup>

mm<sup>2</sup>

0,21 ... 1,31

0,21 ... 1,31

Max. term. range in mm<sup>2</sup>/ plug gauge i.a.w. IEC 60 947-1

Size

0,21 ... 1,5

0,21 ... 1,5

Permanent current of cross-connection 2-pole/multi-pole

A

17,5/17,5

17,5/17,5

### Rating following UL/CSA

Rated voltage/current/cross-section

UL

300 V / 10 A / 24 ... 16 AWG

300 V / 10 A / 24 ... 16 AWG

Rated voltage/current/cross-section

CSA

300 V / 10 A / 24 ... 16 AWG

300 V / 10 A / 24 ... 16 AWG

### Ordering data

Version	Type	Part No.	Qty.
beige Wemid	IDU 1.5 N	1792540000	100
blue Wemid	IDU 1.5 N BL	1792550000	100


Version	Type	Part No.	Qty.
	IDU 1.5 N/3AN	1792570000	100
	IDU 1.5 N/3AN BL	1792580000	100

### End plate/Partition

Version	Type	Part No.	Qty.
beige Wemid	IAP 1.5 N	1792430000	50
blue Wemid	IAP 1.5 N BL	1792440000	50

Version	Type	Part No.	Qty.
	IAP 1.5 N/3AN	1792450000	50
	IAP 1.5 N/3AN BL	1792460000	50

### Cross-connection\*\*\*

Version	Type	Part No.	Qty.	
ZQV 2.5 	2-pole	ZQV 2.5/2	1608860000	60
	3-pole	ZQV 2.5/3	1608870000	60
	4-pole	ZQV 2.5/4	1608880000	60
	5-pole	ZQV 2.5/5	1608890000	20
	6-pole	ZQV 2.5/6	1608900000	20
	7-pole	ZQV 2.5/7	1608910000	20
	8-pole	ZQV 2.5/8	1608920000	20
	9-pole	ZQV 2.5/9	1608930000	20
	10-pole	ZQV 2.5/10	1608940000	20
	50-pole	ZQV 2.5/50	1697540000	10

Version	Type	Part No.	Qty.
ZQV 2.5/2		1608860000	60
ZQV 2.5/3		1608870000	60
ZQV 2.5/4		1608880000	60
ZQV 2.5/5		1608890000	20
ZQV 2.5/6		1608900000	20
ZQV 2.5/7		1608910000	20
ZQV 2.5/8		1608920000	20
ZQV 2.5/9		1608930000	20
ZQV 2.5/10		1608940000	20
ZQV 2.5/50		1697540000	10

### Test adapter

Version	Type	Part No.	Qty.	
ITA 	without pin	ITA1	1803800000	25
	with pin	ITA1/ZA	1803810000	25


Version	Type	Part No.	Qty.
ITA1		1803800000	25
ITA1/ZA		1803810000	25

### Screwdriver

Version	Type	Part No.	Qty.
SD i.a.w. DIN 5264-A 	SD 0.6 x 3.5	9008330000	1

Version	Type	Part No.	Qty.
SD 0.6 x 3.5		9008330000	1

### Cable cutter „swifty“

Version	Type	Part No.	Qty.
		9006020000	1


Version	Type	Part No.	Qty.
		9006020000	1

### Screwdriver with cable cutter „swifty@set“

Version	Type	Part No.	Qty.
	SD 0.6 x 3.5	9006060000	1

Version	Type	Part No.	Qty.
SD 0.6 x 3.5		9006060000	1

### Cover

Version	Type	Part No.	Qty.
IAD 	IAD1/4	1805500000	20


Version	Type	Part No.	Qty.
IAD1/4		1805500000	20

### Group marking

Version	Type	Part No.	Qty.
ZGB 	ZGB 30	1611930000	20
ESO 	ESO 7	1607720000	240
STR 	STR 7	0515300000	20



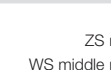
Version	Type	Part No.	Qty.
ZGB 30		1611930000	20
ESO 7		1607720000	240
STR 7		0515300000	20

### Reducing sleeves

Version	Type	Part No.	Qty.
IRH for conductor 0.25 and 0.34 mm <sup>2</sup> 	IRH 1.5	1804510000	100

Version	Type	Part No.	Qty.
IRH 1.5		1804510000	100

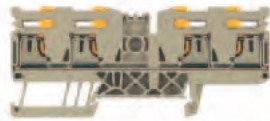
### Marking tags

Version	Type	Part No.	Qty.	
	DEK	DEK 5	see main catalogue	
	ZS neutral	ZS 10/5	1610000000	480
	WS middle neutral	WS10/5	1792000000	-
	Snap Mark I !)	-	-	

Version	Type	Part No.	Qty.
DEK 5		see main catalogue	
ZS 10/5		1610000000	480
WS10/5		1792000000	-
-		-	-

## Feed-through terminal blocks

### IDU 1.5N/4AN



5 / 93.5 / 40.5

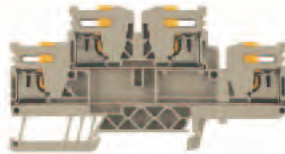
500 V / 17.5 A / 1.5 mm<sup>2</sup>  
6 kV / 3

0.5 ... 1.0  
1.5  
0.25 and 0.34\*\*  
24 ... 16  
0.21 ... 1.31  
0.21 ... 1.5  
17.5/17.5

300 V / 10 A / 24 ... 16 AWG  
300 V / 10 A / 24 ... 16 AWG

Type	Part No.	Qty.
IDU 1.5 N/4AN	1792600000	100
IDU 1.5 N/4AN BL	1792610000	100
IAP 1.5 N/4AN	1792470000	25
IAP 1.5 N/4AN BL	1792480000	25
ZQV 2.5/2	1608860000	60
ZQV 2.5/3	1608870000	60
ZQV 2.5/4	1608880000	60
ZQV 2.5/5	1608890000	20
ZQV 2.5/6	1608900000	20
ZQV 2.5/7	1608910000	20
ZQV 2.5/8	1608920000	20
ZQV 2.5/9	1608930000	20
ZQV 2.5/10	1608940000	20
ZQV 2.5/50	1697540000	10
ITA1	1803800000	25
ITA1/ZA	1803810000	25
SD 0.6 x 3.5	9008330000	1
	9006020000	1
SD 0.6 x 3.5	9006060000	1
IAD1/4	1805500000	20
ZGB 30	1611930000	20
ESO 7	1607720000	240
STR 7	0515300000	20
IRH 1.5	1804510000	100
DEK 5	see main catalogue	
ZS 10/5	1610000000	480
WS10/5	1792000000	-
-	1805880000	25

### IDK1.5 N



5 / 100 / 54

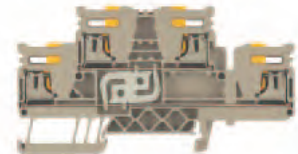
500 V / 17.5 A / 1.5 mm<sup>2</sup>  
6 kV / 3

0.5 ... 1.0  
1.5  
0.25 and 0.34\*\*  
24 ... 16  
0.21 ... 1.31  
0.21 ... 1.5  
17.5/17.5

300 V / 10 A / 24 ... 16 AWG  
300 V / 10 A / 24 ... 16 AWG

Type	Part No.	Qty.
IDK 1.5 N	1792650000	50
IDK 1.5 N BL	1792660000	50
IAP 1.5 N/DK	1792520000	25
IAP 1.5 N/DK BL	1792530000	25
ZQV 2.5/2	1608860000	60
ZQV 2.5/3	1608870000	60
ZQV 2.5/4	1608880000	60
ZQV 2.5/5	1608890000	20
ZQV 2.5/6	1608900000	20
ZQV 2.5/7	1608910000	20
ZQV 2.5/8	1608920000	20
ZQV 2.5/9	1608930000	20
ZQV 2.5/10	1608940000	20
ZQV 2.5/50	1697540000	10
ITA1	1803800000	25
ITA1/ZA	1803810000	25
SD 0.6 x 3.5	9008330000	1
	9006020000	1
SD 0.6 x 3.5	9006060000	1
IAD1/4	1805500000	20
ZGB 30	1611930000	20
ESO 7	1607720000	240
STR 7	0515300000	20
IRH 1.5	1804510000	100
DEK 5	see main catalogue	
ZS 10/5	1610000000	480
WS10/5	1792000000	-
-	1805880000	25

### IDK 1.5N/V



5 / 100 / 54

500 V / 17.5 A / 1.5 mm<sup>2</sup>  
6 kV / 3

0.5 ... 1.0  
1.5  
0.25 and 0.34\*\*  
24 ... 16  
0.21 ... 1.31  
0.21 ... 1.5  
17.5/17.5

300 V / 10 A / 24 ... 16 AWG  
300 V / 10 A / 24 ... 16 AWG

Type	Part No.	Qty.
IDK 1.5 N/V	1792680000	50
IAP 1.5 N/DK	1792520000	25
ZQV 2.5/2	1608860000	60
ZQV 2.5/3	1608870000	60
ZQV 2.5/4	1608880000	60
ZQV 2.5/5	1608890000	20
ZQV 2.5/6	1608900000	20
ZQV 2.5/7	1608910000	20
ZQV 2.5/8	1608920000	20
ZQV 2.5/9	1608930000	20
ZQV 2.5/10	1608940000	20
ZQV 2.5/50	1697540000	10
ITA1	1803800000	25
ITA1/ZA	1803810000	25
SD 0.6 x 3.5	9008330000	1
	9006020000	1
SD 0.6 x 3.5	9006060000	1
IAD1/4	1805500000	20
ZGB 30	1611930000	20
ESO 7	1607720000	240
STR 7	0515300000	20
IRH 1.5	1804510000	100
DEK 5	see main catalogue	
ZS 10/5	1610000000	480
WS 8/5	1640740000	-
-		

1) Marking tag for IDK 1.5 N \*\* with IRH 1.5 \*\*\* Reduced voltage ratings result from the use of cross-connections. Details available on request.

# Feed-through terminal blocks

## IDU 1.5N/ZF

## IDU 1.5N/ZB



### Dimensions/Approvals

Width/length/height (mm) with TS 35 x 7.5  5 / 59.5 / 40.5  
 Insulation stripping length mm 10

### Rating following IEC 60 947-7-1

Rated voltage/current/cross-section 500 V / 17.5 A / 1.5 mm<sup>2</sup>  
 Rated impulse voltage/pollution severity 6 kV / 3

### Further technical data

Clampable conductors:

Single core / flexible core H05V-U/K mm<sup>2</sup> 0.5 ... 1.0  
 Single core / flexible core H07V-U/K mm<sup>2</sup> 1.5  
 fine stranded (min. individual diameter 20.1 mm) mm<sup>2</sup> 0.25 and 0.34\*\*  
 AWG-conductor size AWG 24 ... 16

"f" with ferrules in accordance with DIN 46 228/1\* mm<sup>2</sup> –  
 "f" with ferrules with plastic collar mm<sup>2</sup> –

Max. term. range in mm<sup>2</sup>/ plug gauge i.a.w. IEC 60 947-1 Size 0.21 ... 1.5

Permanent current of cross-connection 2-pole/multi-pole A 17.5/17.5

Tightening torque range Nm –

### Rating following UL/CSA

Rated voltage/current/cross-section UL 300 V / 10 A / 24 ... 16 AWG

Rated voltage/current/cross-section CSA 300 V / 10 A / 24 ... 16 AWG

### Ordering data

Version	Type	Part No.	Qty.
beige Wemid	IDU 1.5 N/ZF	1792700000	100
blue Wemid	IDU 1.5 N/ZF BL	1792710000	100

### End plate/Partition

Version	Type	Part No.	Qty.
IAP Thickness = 2 mm beige Wemid	IAP 1.5 N	1792430000	50
blue Wemid	IAP 1.5 N BL	1792440000	50

### Cross-connection\*\*\*

Version	Type	Part No.	Qty.
ZQV 2.5 2-pole	ZQV 2.5/2	1608860000	60
3-pole	ZQV 2.5/3	1608870000	60
4-pole	ZQV 2.5/4	1608880000	60
5-pole	ZQV 2.5/5	1608890000	20
6-pole	ZQV 2.5/6	1608900000	20
7-pole	ZQV 2.5/7	1608910000	20
8-pole	ZQV 2.5/8	1608920000	20
9-pole	ZQV 2.5/9	1608930000	20
10-pole	ZQV 2.5/10	1608940000	20
50-pole	ZQV 2.5/50	1697540000	10

### Test adapter

Version	Type	Part No.	Qty.
ITA without pin	ITA1	1803800000	25
with pin	ITA1/ZA	1803810000	25

### Screwdriver

Type	Part No.	Qty.
SD i.a.w. DIN 5264-A	SD 0.6 x 3.5	9008330000 1

### Cable cutter „swifty“

Type	Part No.	Qty.
		9006020000 1

### Screwdriver with cable cutter „swifty®set“

Type	Part No.	Qty.
SD 0.6 x 3.5	9006060000	1

### Cover

Type	Part No.	Qty.
IAD 	IAD1/4	1805500000 20

### Group marking

Type	Part No.	Qty.
ZGB 	ZGB 30	1611930000 20
ESO 	ESO 7	1607720000 240
STR 	STR 7	0515300000 20

### Reducing sleeves

Type	Part No.	Qty.
IRH for conductor 0.25 and 0.34 mm <sup>2</sup> 	IRH 1.5	1804510000 100

### Marking tags

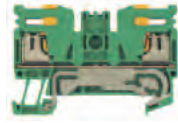
Type	Part No.	Qty.
DEK 	DEK 5	see main catalogue
ZS neutral 	ZS 10/5	1610000000 480
WS middle neutral 	WS10/5	1792000000 –



# Protective conductor terminal blocks

## IPE 1.5N

## IPE 1.5N/3AN



### Dimensions/Approvals

Width/length/height (mm) with TS 35 x 7.5  5 / 59.5 / 40.5

Insulation stripping length mm

### Rating following IEC 60 947-7-1

Rated voltage/current PEN/cross-section -V / -A / 1.5 mm<sup>2</sup>

Rated voltage/rated impulse voltage/pollution severity 500 V / 6 kV / 3

I.a.w VDE 0110/1.89 to adjacent terminal

### Further technical data

Clampable conductors:

Single core / flexible core H05V-U/K mm<sup>2</sup> 0.5 ... 1.0

Single core / flexible core H07V-U/K mm<sup>2</sup> 1.5

fine stranded (min. individual diameter 20.1 mm) mm<sup>2</sup> 0.25 and 0.34\*\*

AWG-conductor size AWG 24 ... 16

mm<sup>2</sup> 0.21 ... 1.31

"f" with ferrules in accordance with DIN 46 228/1\* mm<sup>2</sup> -

"f" with ferrules with plastic collar\* mm<sup>2</sup> -

Max. term. range in mm<sup>2</sup>/ plug gauge i.a.w. IEC 60 947-1 Size 0.21 ... 1.5

Tightening torque range Nm -

### Rating following UL/CSA

Rated voltage/current/cross-section UL 300 V / - A / 24 ... 16 AWG

Rated voltage/current/cross-section CSA 300 V / - A / 24 ... 16 AWG

### Ordering data

Version green/yellow Wemid

### End plate/Partition

Version IAP Thickness = 2 mm beige Wemid

### Rail support

SH For insulated arrangement of mounted rails in isolated installations.

### Test adapter

Version ITA without pin with pin

### Screwdriver

SD i.a.w DIN 5264-A SD 0.6 x 3.5

### Cable cutter „swifty“

9006020000 1

### Screwdriver with cable cutter „swifty@set“

SD 0.6 x 3.5 9006060000 1

### Group marking

ZGB 30 1611930000 20

ESO 7 1607720000 240

STR 7 0515300000 20

### Reducing sleeves

IRH for conductor 0.25 and 0.34 mm<sup>2</sup> IRH 1.5 1804510000 100

### Marking tags

Print DEK Standard DEK 5 see main catalogue  
 ZS neutral ZS 10/5 1610000000 480  
 WS middle neutral WS 10/5 1792000000 -

5 / 78.5 / 40.5

-V / -A / 1.5 mm<sup>2</sup>

500 V / 6 kV / 3

0.5 ... 1.0

1.5

0.25 and 0.34\*\*

24 ... 16

0.21 ... 1.31

-

-

0.21 ... 1.5

-

300 V / - A / 24 ... 16 AWG

300 V / - A / 24 ... 16 AWG

Type	Part No.	Qty.
IPE 1.5N	1792560000	100

Type	Part No.	Qty.
IPE 1.5N/3AN	1792590000	100

Type	Part No.	Qty.
IAP 1.5N/3AN	1792450000	50

Type	Part No.	Qty.
SH2	0494920000	10

Type	Part No.	Qty.
ITA1	1803800000	25

Type	Part No.	Qty.
ITA/ZA	1803810000	25

Type	Part No.	Qty.
SD 0.6 x 3.5	9008330000	1

Type	Part No.	Qty.
	9006020000	1

Type	Part No.	Qty.
SD 0.6 x 3.5	9006060000	1

Type	Part No.	Qty.
ZGB 30	1611930000	20

Type	Part No.	Qty.
ESO 7	1607720000	240

Type	Part No.	Qty.
STR 7	0515300000	20

Type	Part No.	Qty.
IRH 1.5	1804510000	100

Type	Part No.	Qty.
DEK 5	see main catalogue	

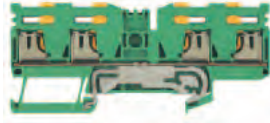
Type	Part No.	Qty.
ZS 10/5	1610000000	480

Type	Part No.	Qty.
WS 10/5	1792000000	-

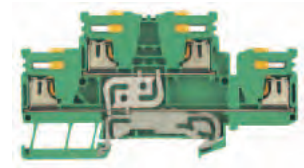
\* Ferrules crimped gas-tight \*\* with IRH 1.5 \*\*\* Reduced voltage ratings result from the use of cross-connections. Details available on request.

# Protective conductor terminal blocks

## IPE 1.5N/4AN



## IDK 1.5N/PE



### Dimensions/Approvals

Width/length/height (mm) with TS 35 x 7.5  5 / 93.5 / 40.5

Insulation stripping length mm

### Rating following IEC 60 947-7-1

Rated voltage/current PEN/cross-section -V / -A / 1.5 mm<sup>2</sup>

Rated voltage/rated impulse voltage/pollution severity 500 V / 6 kV / 3

I.a.w VDE 0110/1.89 to adjacent terminal

### Further technical data

Clampable conductors:

Single core / flexible core H05V-U/K mm<sup>2</sup> 0.5 ... 1.0

Single core / flexible core H07V-U/K mm<sup>2</sup> 1.5

fine stranded (min. individual diameter 20.1 mm) mm<sup>2</sup> 0.25 and 0.34\*\*

AWG-conductor size AWG 24 ... 16

mm<sup>2</sup> 0.21 ... 1.31

"f" with ferrules in accordance with DIN 46 228/1\* mm<sup>2</sup> -

"f" with ferrules with plastic collar\* mm<sup>2</sup> -

Max. term. range in mm<sup>2</sup>/ plug gauge i.a.w. IEC 60 947-1 Size 0.21 ... 1.5

Tightening torque range Nm -

### Rating following UL/CSA

Rated voltage/current/cross-section UL 300 V / - A / 24 ... 16 AWG

Rated voltage/current/cross-section CSA 300 V / - A / 24 ... 16 AWG

### Ordering data

Version green/yellow Wernid

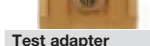
### End plate/Partition

Version IAP Thickness = 2 mm beige Wernid



### Rail support

SH For insulated arrangement of mounted rails in isolated installations.



### Test adapter

Version ITA without pin with pin



### Screwdriver

SD i.a.w DIN 5264-A



### Cable cutter „swifty“



### Screwdriver with cable cutter „swifty@set“



### Group marking

ZGB Back snap-on tag

ESO Transparent protective cover

STR

### Reducing sleeves

IRH for conductor 0.25 and 0.34 mm<sup>2</sup>



### Bezeichnungsschilder

DEK Standard

ZS neutral

WS middle neutral



5 / 93.5 / 40.5

mm

-V / -A / 1.5 mm<sup>2</sup>

500 V / 6 kV / 3

mm<sup>2</sup> 0.5 ... 1.0

mm<sup>2</sup> 1.5

mm<sup>2</sup> 0.25 and 0.34\*\*

AWG 24 ... 16

mm<sup>2</sup> 0.21 ... 1.31

mm<sup>2</sup> -

mm<sup>2</sup> -

Size 0.21 ... 1.5

Nm -

UL 300 V / - A / 24 ... 16 AWG

CSA 300 V / - A / 24 ... 16 AWG

Version green/yellow Wernid

Version IAP Thickness = 2 mm beige Wernid

SH2 0494920000 10

ITA1 1803800000 25

ITA/ZA 1803810000 25

SD 0.6 x 3.5 9008330000 1

9006020000 1

SD 0.6 x 3.5 9006060000 1

ZGB 30 1611930000 20

ESO 7 1607720000 240

STR 7 0515300000 20

IRH 1.5 1804510000 100

DEK 5 see main catalogue

ZS 10/5 1610000000 480

WS 10/5 1792000000 -

5 / 100 / 54

mm

-V / -A / 1.5 mm<sup>2</sup>

500 V / 6 kV / 3

mm<sup>2</sup> 0.5 ... 1.0

mm<sup>2</sup> 1.5

mm<sup>2</sup> 0.25 and 0.34\*\*

AWG 24 ... 16

mm<sup>2</sup> 0.21 ... 1.31

mm<sup>2</sup> -

mm<sup>2</sup> -

Size 0.21 ... 1.5

Nm -

UL 300 V / - A / 24 ... 16 AWG

CSA 300 V / - A / 24 ... 16 AWG

Version green/yellow Wernid

Version IAP Thickness = 2 mm beige Wernid

SH2 0494920000 10

ITA1 1803800000 25

ITA/ZA 1803810000 25

SD 0.6 x 3.5 9008330000 1

9006020000 1

SD 0.6 x 3.5 9006060000 1

ZGB 30 1611930000 20

ESO 7 1607720000 240

STR 7 0515300000 20

IRH 1.5 1804510000 100

DEK 5 see main catalogue

ZS 10/5 1610000000 480

WS 8/5 1640740000 -

## Protective conductor terminal blocks

### IPE 1.5N/ZF



5 / 59.5 / 40.5  
10  
-V / -A / 1.5 mm<sup>2</sup>  
500 V / 6 kV / 3

IDC	Tension Clamp	
0.5...1.0	0.5...1.0	
1.5	1.5...4	
0.25 and 0.34**		
24...16	26...12	
0.21...1.31	0.13...3.31	
-	0.5...2.5	
-	0.5...2.5	
0.21...1.5	0.08...4	A3
-		

300 V / - A / 24 ... 16 AWG  
300 V / - A / 24 ... 16 AWG

Type	Part No.	Qty.
IPE 1.5N/ZF	<b>1792720000</b>	100
IAP 1.5 N	<b>1792430000</b>	50

SH2	<b>0494920000</b>	10
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ITA1	<b>1803800000</b>	25
ITA/ZA	<b>1803810000</b>	25

SD 0.6 x 3.5	<b>9008330000</b>	1
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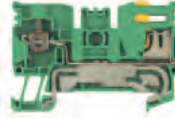
	<b>9006020000</b>	1
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SD 0.6 x 3.5	<b>9006060000</b>	1
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ZGB 30	<b>1611930000</b>	20
ESO 7	<b>1607720000</b>	240
STR 7	<b>0515300000</b>	20
IRH 1.5	<b>1804510000</b>	100

DEK 5	see main catalogue	
ZS 10/5	<b>1610000000</b>	480
WS 10/5	<b>1792000000</b>	-

### IPE 1.5N/ZB



5 / 59.5 / 40.5  
10  
-V / -A / 1.5 mm<sup>2</sup>  
500 V / 6 kV / 3

IDC	Tension Clamp	
0.5...1.0	0.5...1.0	
1.5	1.5...4	
0.25 und 0.34**		
24...16	26...12	
0.21...1.31	0.13...3.31	
-	0.5...2.5	
-	0.5...2.5	
0.21...1.5	0.13...4	A3
-	0.4...0.6	

300 V / - A / 24 ... 16 AWG  
300 V / - A / 24 ... 16 AWG

Type	Part No.	Qty.
IPE 1.5N/ZB	<b>1792750000</b>	100
IAP 1.5 N	<b>1792430000</b>	50

SH2	<b>0494920000</b>	10
-----	-------------------	----

ITA1	<b>1803800000</b>	25
ITA/ZA	<b>1803810000</b>	25

SD 0.6 x 3.5	<b>9008330000</b>	1
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	<b>9006020000</b>	1
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SD 0.6 x 3.5	<b>9006060000</b>	1
--------------	-------------------	---

ZGB 30	<b>1611930000</b>	20
ESO 7	<b>1607720000</b>	240
STR 7	<b>0515300000</b>	20
IRH 1.5	<b>1804510000</b>	100

DEK 5	see main catalogue	
ZS 10/5	<b>1610000000</b>	480
WS 10/5	<b>1792000000</b>	-

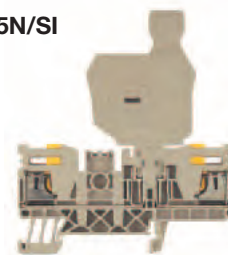
\* Ferrules crimped gas-tight \*\* with IRH 1.5

# Disconnect test terminals / Fuse terminals

## ITR 1.5N



## ITR 1.5N/SI



Dimensions/Approvals		with TS 35 x 7.5		5 / 78.5 / 46.5	5 / 78.5 / 88.5
Width/length/height (mm)				5 / 78.5 / 46.5	5 / 78.5 / 88.5
Bemessungsdaten				400 V / 16 A / 1.5 mm <sup>2</sup>	250 V / 6.3A / 1.5 mm <sup>2</sup>
Rated voltage/current/cross-section				400 V / 16 A / 1.5 mm <sup>2</sup>	250 V / 6.3A / 1.5 mm <sup>2</sup>
Rated impulse voltage/pollution severity, VDE 0110/1.89				6 kV / 3	6 kV / 3
Further technical data					
Clampable conductors:					
Single core / flexible core H05V-U/K	mm <sup>2</sup>	0.5 ... 1.0		0.5 ... 1.0	
Single core / flexible core H07V-U/K	mm <sup>2</sup>	1.5		1.5	
fine stranded (min. individual diameter ≥ 0.1 mm)	mm <sup>2</sup>	0.25 and 0.34**		0.25 and 0.34**	
AWG-conductor size	AWG	24 ... 16		24 ... 16	
	mm <sup>2</sup>	0.21 ... 1.31		0.21 ... 1.31	
Permanent current of cross-connection 2-pole/multi-pole	A	17.5/17.5		17.5/17.5	
Rating following UL/CSA					
Rated voltage/current/cross-section	UL	300 V / 10 A / 24 ... 16 AWG		300 V / 10 A / 24 ... 16 AWG	
Rated voltage/current/cross-section	CSA	300 V / 10 A / 24 ... 16 AWG		300 V / 10 A / 24 ... 16 AWG	
Ordering data	Version	Type	Part No.	Qty.	Type
	beige Wemid	ITR 1.5N	1792630000	100	ITR 1.5N/SI
	blue Wemid	ITR 1.5NBL	1792670000	100	1792640000
End plate/Partition	Version				
IAP	Thickness = 2 mm	beige Wemid	IAP 1.5N/3AN	1792450000	50
		blue Wemid	IAP 1.5N/3ANBL	1792460000	50
					IAP 1.5N/3AN
					1792450000
					IAP 1.5N/3ANBL
					1792460000
Cross-connection*	Version				
ZQV 2.5		2-pole	ZQV 2.5/2	1608860000	60
		3-pole	ZQV 2.5/3	1608870000	60
		4-pole	ZQV 2.5/4	1608880000	60
		5-pole	ZQV 2.5/5	1608890000	20
		6-pole	ZQV 2.5/6	1608900000	20
		7-pole	ZQV 2.5/7	1608910000	20
		8-pole	ZQV 2.5/8	1608920000	20
		9-pole	ZQV 2.5/9	1608930000	20
		10-pole	ZQV 2.5/10	1608940000	20
		50-pole	ZQV 2.5/50	1697540000	10
Test adapter/Test Plug	Version				
ITA		without pin	ITA1	1803800000	25
		with pin	ITA1/ZA	1803810000	25
			PS 2.3	0180400000	20
					ITA1
					1803800000
					ITA1/ZA
					1803810000
					PS 2.3
					0180400000
Screwdriver					
SD i.a.w DIN 5264-A			SD 0.6 x 3.5	9008330000	1
					SD 0.6 x 3.5
					9008330000
Cable cutter „swifty“					
					9006020000
					9006020000
Screwdriver with cable cutter „swifty“set			SD 0.6 x 3.5	9006060000	1
					SD 0.6 x 3.5
					9006060000
Cover					
IAD			IAD1/4	1805500000	20
					IAD1/4
					1805500000
Group marking					
ZGB			ZGB 30	1611930000	20
ESO		Back snap-on tag	ESO 7	1607720000	240
STR		Transparent protective cover	STR 7	0515300000	20
					STR 7
					0515300000
Reducing sleeves					
IRH for conductor 0.25 and 0.34 mm <sup>2</sup>			IRH 1.5	1804510000	100
					IRH 1.5
					1804510000
Marking tags	Print				
	DEK	Standard	DEK 5	see main catalogue	DEK 5
	ZS	neutral	ZS 10/5	1610000000	480
	neutral		WS 10/5	1792000000	-
					ZS 10/5
					1610000000
					WS 10/5
					1792000000

\* Reduced voltage ratings result from the use of cross-connections. Details available on request. \*\* with IRH 1.5

# IDC-TECHNOLOGY FOR SENSORS & ACTUATORS

The modular initiator/actuator system – available in progressive IDC technology

## The internal cross-connection

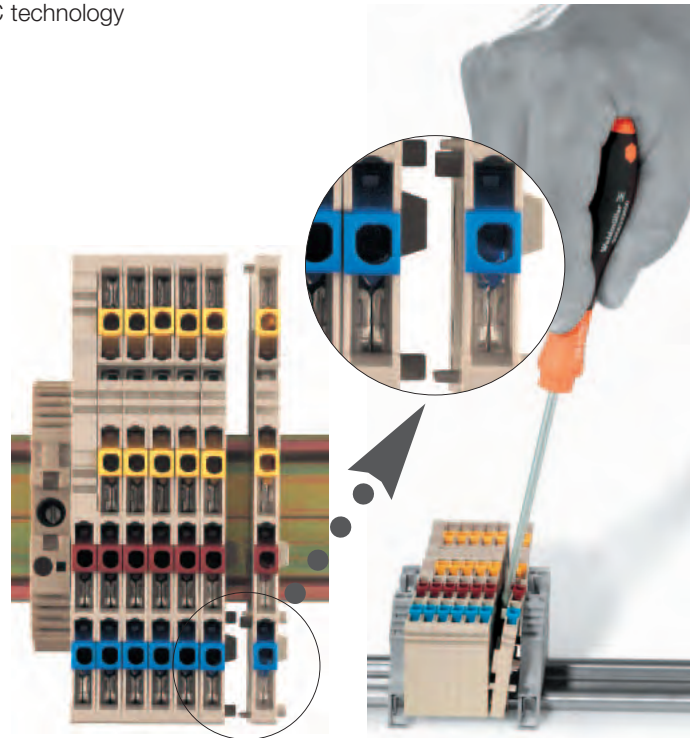
The cross-connections are intergrated in individual terminals. The socket contact is on the one side of the terminal, the pin contact is on the other side. The modular slice design means that variable terminal blocks can be created to suit the application.

## End plate

End plates provide the option of adding additional markings to the terminals

## Status indicator

The signal status can be indicated at the terminal.

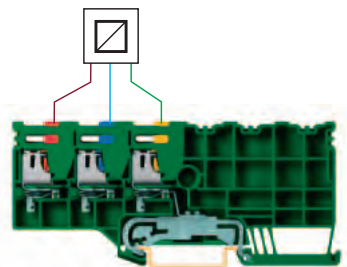


## Your advantages

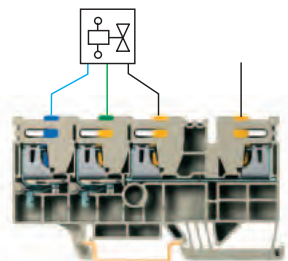
- **IDC2-Technology**
- **Integrated cross-connections**
- **Clear assignment and identification of the terminals possible due to differently coloured sliders.**
- **Clearly arranged marking options**
- **Status indication**

## A FAMILY PRESENTS ITSELF

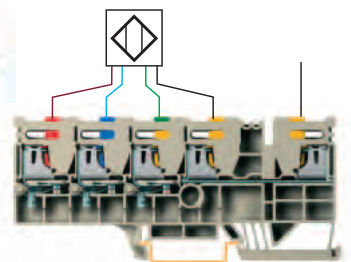
- **Feed through terminal**  
Supply made easy with additional labelling options.
- **Initiator terminals**  
Voltage supply and signal relaying in one terminal
- **Actuator terminal**  
Simple connection of an actuator.
- **Initiator terminal with park position**  
For connecting 4L-initiators:  
The unused normally-open or normally-closed contact can be connected to the insulated contact. Any later rewiring is no problem.



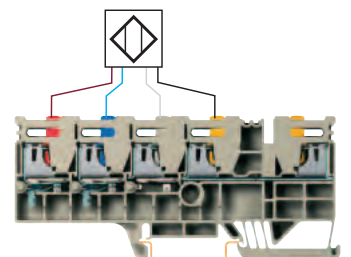
• **Feed through terminal**



• **Actuator terminal**



• **Initiator terminals**



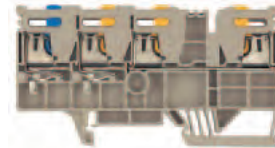
• **Initiator terminal with park position**

# Initiator und actuator terminal blocks

## IEK 1.5N 3L PE Feed through terminal, Actuator



## IEK 1.5N 3L Feed through terminal, 3L-Initiator



### Dimensions/Approvals

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

### Rating following IEC 60 947-7-1

Rated voltage/current/cross-section

Rated voltage/current/cross-section (with LED)

Rated impulse voltage/pollution severity

### Further technical data

Clampable conductors

Single core / flexible core H05V-U/K

Single core / flexible core H07V-U/K

fine stranded (min. individual diameter 20.1 mm)

AWG-conductor size

Permanent current of cross-connection 2-pole/multi-pole

Permanent current of cross-connection max. 25-pole

### Rating following UL/CSA

Rated voltage/current/cross-section

Rated voltage/current/cross-section

### Ordering data

**3-conductor version:** Actuators:

Input

Basic terminal

Basic terminal with LED

Initiators:

Input

Basic terminal

Basic terminal with LED/PNP

Basic terminal with LED/NPN

**4-conductor version:** Initiators:

Input

### End plate

IAP 3L

IAP 4L

Version

3-conductor

4-conductor

### Cross-connection

for signal level

ZQV 2.5

2-pole

3-pole

4-pole

5-pole

6-pole

7-pole

8-pole

9-pole

10-pole

50-pole

### Test adapter/Test Plug

ITA

for signal level

Version

without pin

with pin

### Screwdriver

SD i.a.w DIN 5264-A

SD 0.6 x 3.5

9008330000

SD 0.6 x 3.5

9008330000

### Cable cutter „swifty“

9006020000

9006020000

### Screwdriver with cable cutter „swifty®set“

SD 0.6 x 3.5

9006060000

SD 0.6 x 3.5

9006060000

### Cover

IAD

IAD1/4

1805500000

IAD1/4

1805500000

### Group marking

ZGB

ESO

STR

Back snap-on tag

Transparent protective cover

ZGB 30

1611930000

ZGB 30

1611930000

ESO 7

1607720000

ESO 7

1607720000

STR 7

0515300000

STR 7

0515300000

### Reducing sleeves

IRH for conductor 0.25 and 0.34 mm²

IRH 1.5

1804510000

IRH 1.5

1804510000

### Marking tags

DEK

DEK

Print

Standard

neutral

neutral

DEK 5

see main catalogue

DEK 5

see main catalogue

ZS 10/5

1610000000

ZS 10/5

1610000000

WS 10/5

1792000000

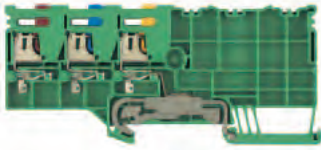
WS 10/5

1792000000

## Initiator und actuator terminal blocks

### IEK 1.5N 4L PE

Feed through terminal, 4L-Initiator



5 / 112 / 51

250 V / 17.5 A / 1.5 mm<sup>2</sup>

24 V / 17.5 A / 1.5 mm<sup>2</sup>

4 kV / 3

0.5 ... 1.0

1.5

0.25 and 0.34\*

24 ... 16

0.21 ... 1.31

17.5/17.5

17.5 A

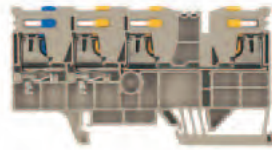
300 V / 10 A / 24 ... 16 AWG

300 V / 10 A / 24 ... 16 AWG

Type	Part No.	Qty.
IEK 1.5N 4L PE	1801810000	25

### IAK 1.5N 3L

Base terminal  
Actuator



5 / 93 / 51

250 V / 17.5 A / 1.5 mm<sup>2</sup>

24 V / 17.5 A / 1.5 mm<sup>2</sup>

4 kV / 3

0.5 ... 1.0

1.5

0.25 and 0.34\*

24 ... 16

0.21 ... 1.31

17.5/17.5

17.5 A

300 V / 10 A / 24 ... 16 AWG

300 V / 10 A / 24 ... 16 AWG

Type	Part No.	Qty.
IAK 1.5N 3L	1801820000	50
IAK 1.5N 3L D	1801830000	50

IAP 1.5N 3L	1801770000	50
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ZQV 2.5/2	1608860000	60
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ZQV 2.5/3	1608870000	60
-----------	------------	----

ZQV 2.5/4	1608880000	60
-----------	------------	----

ZQV 2.5/5	1608890000	20
-----------	------------	----

ZQV 2.5/6	1608900000	20
-----------	------------	----

ZQV 2.5/7	1608910000	20
-----------	------------	----

ZQV 2.5/8	1608920000	20
-----------	------------	----

ZQV 2.5/9	1608930000	20
-----------	------------	----

ZQV 2.5/10	1608940000	20
------------	------------	----

ZQV 2.5/50	1697540000	10
------------	------------	----

ITA1	1803800000	25
------	------------	----

ITA1/ZA	1803810000	25
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SD 0.6 x 3.5	9008330000	1
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	9006020000	1
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SD 0.6 x 3.5	9006060000	1
--------------	------------	---

IAD1/4	1805500000	20
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ZGB 30	1611930000	20
--------	------------	----

ESO 7	1607720000	240
-------	------------	-----

STR 7	0515300000	20
-------	------------	----

IRH 1.5	1804510000	100
---------	------------	-----

DEK 5	see main catalogue	
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ZS 10/5	1610000000	480
---------	------------	-----

WS 10/5	1792000000	-
---------	------------	---

### IIK 1.5N 3L

Base terminal  
3L-Initiator



5 / 93 / 51

250 V / 17.5 A / 1.5 mm<sup>2</sup>

24 V / 17.5 A / 1.5 mm<sup>2</sup>

4 kV / 3

0.5 ... 1.0

1.5

0.25 and 0.34\*

24 ... 16

0.21 ... 1.31

17.5/17.5

17.5 A

300 V / 10 A / 24 ... 16 AWG

300 V / 10 A / 24 ... 16 AWG

Type	Part No.	Qty.
IIK 1.5N 3L	1801840000	100
IIK 1.5N 3L D/PNP	1801850000	50
IIK 1.5N 3L D/NPN	1801860000	50

IAP 1.5N 3L	1801770000	50
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ZQV 2.5/2	1608860000	60
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ZQV 2.5/3	1608870000	60
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ZQV 2.5/4	1608880000	60
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ZQV 2.5/5	1608890000	20
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ZQV 2.5/6	1608900000	20
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ZQV 2.5/7	1608910000	20
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ZQV 2.5/8	1608920000	20
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ZQV 2.5/9	1608930000	20
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ZQV 2.5/10	1608940000	20
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ZQV 2.5/50	1697540000	10
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ITA1	1803800000	25
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ITA1/ZA	1803810000	25
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SD 0.6 x 3.5	9008330000	1
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	9006020000	1
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SD 0.6 x 3.5	9006060000	1
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IAD1/4	1805500000	20
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ZGB 30	1611930000	20
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ESO 7	1607720000	240
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STR 7	0515300000	20
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IRH 1.5	1804510000	100
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DEK 5	see main catalogue	
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ZS 10/5	1610000000	480
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WS 10/5	1792000000	-
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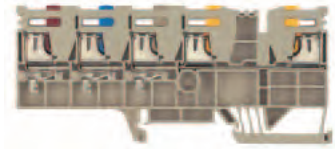
\* with IRH 1.5

# Initiator und actuator terminal blocks

## IIK 1.5N 4L Base terminal 4L-Initiator



## IIK 1.5N 4L PA Base terminal Park position



### Dimensions/Approvals

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

### Rating following IEC 60 947-7-1

Rated voltage/current/cross-section  
Rated voltage/current/cross-section (with LED)  
Rated impulse voltage/pollution severity

### Further technical data

Clampable conductors\*

Single core / flexible core H05V-U/K mm<sup>2</sup>  
Single core / flexible core H07V-U/K mm<sup>2</sup>  
fine stranded (min. individual diameter ≥ 0.1 mm) mm<sup>2</sup>  
AWG-conductor size AWG


Permanent current of cross-connection 2-pole/multi-pole A  
Permanent current of cross-connection max. 25-pole A

### Rating following UL/CSA


Rated voltage/current/cross-section UL  
Rated voltage/current/cross-section CSA

### Ordering data

**4-conductor version:** Initiators: Basic terminal  
Basic terminal with LED/PNP  
Basic terminal with LED/NPN  
Basic terminal with park position


**End plate** **Version**  
IAP 3L  IAP 4L  3-conductor  
4-conductor

### Cross-connection


for signal level 2-pole  
ZQV 2.5  3-pole  
4-pole  
5-pole  
6-pole  
7-pole  
8-pole  
9-pole  
10-pole  
50-pole

**Test adapter/Test Plug** **Version**  
ITA  for signal level without pin  
with pin


### Screwdriver

SD i.a.w DIN 5264-A 


### Cable cutter „swifty“



### Screwdriver with cable cutter „swifty“set




### Cover

IAD  IAD1/4

### Group marking

ZGB  Back snap-on tag  
ESO 7  
STR  Transparent protective cover

### Reducing sleeves

IRH for conductor 0.25 and 0.34 mm<sup>2</sup> 

### Marking tags

 **DEK** Standard  
**ZS** neutral  
**DEK** **ZS** **WS middle** neutral

5 / 112 / 51

250 V / 17.5 A / 1.5 mm<sup>2</sup>  
24 V / 17.5 A / 1.5 mm<sup>2</sup>  
4 kV / 3

0.5 ... 1.0  
1.5  
0.25 and 0.34\*  
24 ... 16  
mm<sup>2</sup> 0.21 ... 1.31

17.5/17.5  
17.5 A

300 V / 10 A / 24 ... 16 AWG  
300 V / 10 A / 24 ... 16 AWG

Type	Part No.	Qty.
IIK 1.5N 4L	1801870000	100
IIK 1.5N 4L D/PNP	1801880000	50
IIK 1.5N 4L D/NPN	1801890000	50

IAP 1.5N 4L 1801780000 50

ZQV 2.5/2 1608860000 60  
ZQV 2.5/3 1608870000 60  
ZQV 2.5/4 1608880000 60  
ZQV 2.5/5 1608890000 20  
ZQV 2.5/6 1608900000 20  
ZQV 2.5/7 1608910000 20  
ZQV 2.5/8 1608920000 20  
ZQV 2.5/9 1608930000 20  
ZQV 2.5/10 1608940000 20  
ZQV 2.5/50 1697540000 10

ITA1 1803800000 25  
ITA1/ZA 1803810000 25

SD 0.6 x 3.5 9008330000 1

9006020000 1

SD 0.6 x 3.5 9006060000 1

IAD1/4 1805500000 20

ZGB 30 1611930000 20  
ESO 7 1607720000 240  
STR 7 0515300000 20

IRH 1.5 1804510000 100

DEK 5 see main catalogue  
ZS 10/5 1610000000 480  
WS 10/5 1792000000 -

5 / 112 / 51

250 V / 17.5 A / 1.5 mm<sup>2</sup>  
24 V / 17.5 A / 1.5 mm<sup>2</sup>  
4 kV / 3

0.5 ... 1.0  
1.5  
0.25 and 0.34\*  
24 ... 16  
mm<sup>2</sup> 0.21 ... 1.31

17.5/17.5  
17.5 A

300 V / 10 A / 24 ... 16 AWG  
300 V / 10 A / 24 ... 16 AWG

Type	Part No.	Qty.
IIK 1.5N 4L PA	1801900000	50

IAP 1.5N 4L 1801780000 50

ZQV 2.5/2 1608860000 60  
ZQV 2.5/3 1608870000 60  
ZQV 2.5/4 1608880000 60  
ZQV 2.5/5 1608890000 20  
ZQV 2.5/6 1608900000 20  
ZQV 2.5/7 1608910000 20  
ZQV 2.5/8 1608920000 20  
ZQV 2.5/9 1608930000 20  
ZQV 2.5/10 1608940000 20  
ZQV 2.5/50 1697540000 10

ITA1 1803800000 25  
ITA1/ZA 1803810000 25

SD 0.6 x 3.5 9008330000 1

9006020000 1

SD 0.6 x 3.5 9006060000 1

IAD1/4 1805500000 20

ZGB 30 1611930000 20  
ESO 7 1607720000 240  
STR 7 0515300000 20

IRH 1.5 1804510000 100

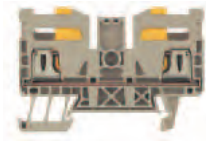
DEK 5 see main catalogue  
ZS 10/5 1610000000 480  
WS 10/5 1792000000 -

\* with IRH 1.5















# Feed-through terminal blocks

## IDU 2.5 N



## IDU 2.5 N/3AN

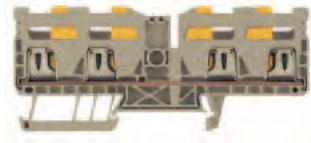


Dimensions/Approvals								
Width/length/height (mm)	with TS 35 x 7.5 	6 / 66.4 / 45.6			6 / 87.9 / 45.6			
Insulation stripping length	mm							
<b>Rating following IEC 60 947-7-1</b>								
Rated voltage/current/cross-section		800 V / 24 A / 2.5 mm <sup>2</sup>			800 V / 24 A / 2.5 mm <sup>2</sup>			
Rated impulse voltage/pollution severity		8 kV / 3			8 kV / 3			
<b>Further technical data</b>								
Clampable conductors:								
Single core / flexible core H05V-U/K	mm <sup>2</sup>	0,5 ... 1,0			0,5 ... 1,0			
Single core / flexible core H07V-U/K	mm <sup>2</sup>	1,5 ... 2,5			1,5 ... 2,5			
fine stranded (min. individual diameter ≥ 0.15 mm)	mm <sup>2</sup>	-			-			
AWG-conductor size	AWG	20 ... 14			20 ... 14			
	mm <sup>2</sup>	0,52 ... 2,08			0,52 ... 2,08			
"f" with ferrules in accordance with DIN 46 228/1	mm <sup>2</sup>	-			-			
"f" with ferrules with plastic collar	mm <sup>2</sup>	-			-			
Max. tem. range in mm <sup>2</sup>	Size	0,5 ... 2,5**			0,5 ... 2,5**			
Permanent current of cross-connection 2-pole/mehrpole	A	24 / 24			24 / 24			
Tightening torque range	Nm	-			-			
<b>Rating following UL/CSA</b>								
Rated voltage/current/cross-section	UL	600 V / 15 A / 20 ... 14 AWG			600 V / 15 A / 20 ... 14 AWG			
Rated voltage/current/cross-section	CSA	600 V / 15 A / 20 ... 14 AWG			600 V / 15 A / 20 ... 14 AWG			
<b>Ordering data</b>		<b>Version</b>	<b>Type</b>	<b>Part No.</b>	<b>Qty.</b>	<b>Type</b>	<b>Part No.</b>	<b>Qty.</b>
		beige Wemid	IDU 2.5 N	1812900000	100	IDU 2.5 N/3AN	1812930000	100
		blue Wemid	IDU 2.5 N BL	1812910000	100	IDU 2.5 N/3AN BL	1812940000	100
<b>End plate/Partition</b>		<b>Version</b>						
IAP 	Thickness = 2 mm	beige Wemid	IAP 2.5 N	1813020000	50	IAP 2.5 N/3AN	1813040000	50
		blue Wemid	IAP 2.5 N BL	1813030000	50	IAP 2.5 N/3AN BL	1813050000	50
<b>Cross-connection*</b>		<b>Version</b>						
ZQV 4 		2-pole	ZQV 4/2	1608950000	60	ZQV 4/2	1608950000	60
		3-pole	ZQV 4/3	1608960000	60	ZQV 4/3	1608960000	60
		4-pole	ZQV 4/4	1608970000	60	ZQV 4/4	1608970000	60
		5-pole	ZQV 4/5	1608980000	20	ZQV 4/5	1608980000	20
		6-pole	ZQV 4/6	1608990000	20	ZQV 4/6	1608990000	20
		7-pole	ZQV 4/7	1609000000	20	ZQV 4/7	1609000000	20
		8-pole	ZQV 4/8	1609010000	20	ZQV 4/8	1609010000	20
		9-pole	ZQV 4/9	1609020000	20	ZQV 4/9	1609020000	20
		10-pole	ZQV 4/10	1609030000	20	ZQV 4/10	1609030000	20
<b>Test adapter</b>		<b>Version</b>						
ITA 		without pin	ITA 2	1821210000		ITA 2	1821210000	
		with pin	ITA 2/ZA	1821220000		ITA 2/ZA	1821220000	
<b>Screwdriver</b>								
SD i.a.w DIN 5264-A 			SD 0.6 x 3.5	9008330000	1	SD 0.6 x 3.5	9008330000	1
<b>Cable cutter „swiftly“</b>								
				9006020000	1		9006020000	1
<b>Screwdriver with cable cutter „swiftly®set“</b>								
			SD 0.6 x 3.5	9006060000	1	SD 0.6 x 3.5	9006060000	1
<b>Cover</b>								
IAD 			IAD 2/4	1828420000		IAD 2/4	1828420000	
<b>Group marking</b>								
ZGB 			ZGB 30	1611930000	20	ZGB 30	1611930000	20
ESO 	Back snap-on tag		ESO 7	1607720000	240	ESO 7	1607720000	240
STR 	Transparent protective cover		STR 7	0515300000	20	STR 7	0515300000	20
<b>Reducing sleeves</b>								
IRH for conductor ≤ 1 mm <sup>2</sup>			IRH 2.5	1848230000		IRH 2.5	1848230000	
<b>Marking tags</b>		<b>Print</b>						
		DEK Standard	DEK 6	see main catalogue		DEK 6	see main catalogue	
	DEK	DEK 6 neutral MC	DEK 6	1609820000	1000	DEK 6	1609820000	1000
		ZS 12/6 neutral MC	MC ZS 12/6	1610020000	400	MC ZS 12/6	1610020000	400
		WS 10/6 neutral MC	MC WS 10/6	1818400000	200	MC WS 10/6	1818400000	200

\* Reduced voltage ratings result from the use of cross-connections. Details available on request. \*\* Conductor ≤ 1mm<sup>2</sup> with IRH 2.5

# Feed-through terminal blocks

## IDU 2.5 N/4AN



## IDU 2.5 N/ZF



### Dimensions/Approvals

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

### Rating following IEC 60 947-7-1

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

### Further technical data

Clampable conductors:	
Single core / flexible core H05V-U/K	mm <sup>2</sup>
Single core / flexible core H07V-U/K	mm <sup>2</sup>
fine stranded (min. individual diameter ≥ 0.15 mm)	mm <sup>2</sup>
AWG-conductor size	AWG
"f" with ferrules in accordance with DIN 46 228/1***	mm <sup>2</sup>
"f" with ferrules with plastic collar***	mm <sup>2</sup>
Max. term. range in mm <sup>2</sup>	Size
Permanent current of cross-connection 2-pole/multi-pole	A
Tightening torque range	Nm

### Rating following UL/CSA

Rated voltage/current/cross-section	UL
Rated voltage/current/cross-section	CSA

### Ordering data

Version	Type	Part No.	Qty.
beige Wemid	IDU 2.5 N/4AN	1812960000	100
blue Wemid	IDU 2.5 N/4AN BL	1812970000	50

### End plate/Partition

Version	Type	Part No.	Qty.
Thickness = 2 mm beige Wemid	IAP 2.5 N/4AN	1813070000	25
blue Wemid	IAP 2.5 N/4AN BL	1813080000	25

### Cross-connection\*

Version	Type	Part No.	Qty.
ZQV 4	ZQV 4/2	1608950000	60
	ZQV 4/3	1608960000	60
	ZQV 4/4	1608970000	60
	ZQV 4/5	1608980000	20
	ZQV 4/6	1608990000	20
	ZQV 4/7	1609000000	20
	ZQV 4/8	1609010000	20
	ZQV 4/9	1609020000	20
	ZQV 4/10	1609030000	20
	50-pole		

### Test adapter

Version	Type	Part No.	Qty.
ITA	ITA 2	1821210000	
	ITA 2/ZA	1821220000	

### Screwdriver

SD i.a.w. DIN 5264-A	SD 0.6 x 3.5	9008330000	1
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### Cable cutter „swifty“

		9006020000	1
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### Screwdriver with cable cutter „swifty@set“

	SD 0.6 x 3.5	9006060000	1
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### Cover

IAD	IAD 2/4	1828420000	
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### Group marking

ZGB	ZGB 30	1611930000	20
ESO	ESO 7	1607720000	240
STR	STR 7	0515300000	20

### Reducing sleeves

IRH for conductor ≤ 1 mm <sup>2</sup>	IRH 2.5	1848230000	
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### Marking tags

Print	Type	Part No.	Qty.
DEK Standard	DEK 6	see main catalogue	
DEK 6 neutral MC	DEK 6	1609820000	1000
ZS 12/6 neutral MC	MC ZS 12/6	1610020000	400
ZS WS 10/6 neutral MC	MC WS 10/6	1818400000	200

Width/length/height (mm)	6 / 66.4 / 45.6
Insulation stripping length	10

Rated voltage/current/cross-section	800 V / 24 A / 2.5 mm <sup>2</sup>
Rated impulse voltage/pollution severity	6 kV / 3

IDC	Tension clamp	
0,5 ... 1,0	0,5 ... 1,0	
1,5 ... 2,5	1,5 ... 6	
–	–	
20 ... 14	26 ... 10	
0,52 ... 2,08	0,13 ... 5,26	
–	0,5 ... 4	
–	0,5 ... 4	
0,5 ... 2,5**	0,13 ... 6	A3
24/24	–	
–	–	

Rated voltage/current/cross-section	UL
Rated voltage/current/cross-section	CSA

Version	Type	Part No.	Qty.
beige Wemid	IDU 2.5 N/ZF	1821260000	
blue Wemid	IDU 2.5 N/ZF BL	1821270000	

Version	Type	Part No.	Qty.
Thickness = 2 mm beige Wemid	IAP 2.5 N/2AN	1813020000	25
blue Wemid	IAP 2.5 N/2AN BL	1813030000	25

Version	Type	Part No.	Qty.
ZQV 4	ZQV 4/2	1608950000	60
	ZQV 4/3	1608960000	60
	ZQV 4/4	1608970000	60
	ZQV 4/5	1608980000	20
	ZQV 4/6	1608990000	20
	ZQV 4/7	1609000000	20
	ZQV 4/8	1609010000	20
	ZQV 4/9	1609020000	20
	ZQV 4/10	1609030000	20

Version	Type	Part No.	Qty.
ITA	ITA 2	1821210000	
	ITA 2/ZA	1821220000	

SD i.a.w. DIN 5264-A	SD 0.6 x 3.5	9008330000	1
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		9006020000	1
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	SD 0.6 x 3.5	9006060000	1
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IAD	IAD 2/4	1828420000	
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ZGB	ZGB 30	1611930000	20
ESO	ESO 7	1607720000	240
STR	STR 7	0515300000	20

IRH for conductor ≤ 1 mm <sup>2</sup>	IRH 2.5	1848230000	
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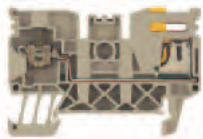
Print	Type	Part No.	Qty.
DEK Standard	DEK 6	see main catalogue	
DEK 6 neutral MC	DEK 6	1609820000	1000
ZS 12/6 neutral MC	MC ZS 12/6	1610020000	400
ZS WS 10/6 neutral MC	MC WS 10/6	1818400000	200

\* Reduced voltage ratings result from the use of cross-connections. Details available on request. \* Conductor ≤ 1 mm<sup>2</sup> with IRH 2.5

\*\*\*Ferrules crimped gas-tight

# Feed-through terminal blocks

## IDU 2.5 N/ZB



6 / 66.4 / 45.6
13
800 V / 24 A / 2.5 mm <sup>2</sup>
8 kV / 3

IDC	Clamping yoke	
0.5...1.0	0.5...1.0	
1.5 ... 2.5	1.5 ... 6	
-		
20...14	22 ... 12	
0.52...2.08	0.33 ... 3.31	
-	4	
-	4	
0.5...2.5**	1...6	A4
24/24		
-	0.5 ... 1.0	

600 V / 15 A / 20 ... 14 AWG
600 V / 15 A / 20 ... 14 AWG

Type	Part No.	Qty.
IDU 2.5 N/ZB	1821290000	
IDU 2.5 N/ZB BL	1818490000	
IAP 2.5 N/2AN	1813020000	25
IAP 2.5 N/2AN BL	1813030000	25

ZQV 4/2	1608950000	60
ZQV 4/3	1608960000	60
ZQV 4/4	1608970000	60
ZQV 4/5	1608980000	20
ZQV 4/6	1608990000	20
ZQV 4/7	1609000000	20
ZQV 4/8	1609010000	20
ZQV 4/9	1609020000	20
ZQV 4/10	1609030000	20

ITA 2	1821210000	
ITA 2/ZA	1821220000	

SD 0.6 x 3.5	9008330000	1
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	9006020000	1
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SD 0.6 x 3.5	9006060000	1
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IAD 2/4	1828420000	
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ZGB 30	1611930000	20
ESO 7	1607720000	240
STR 7	0515300000	20

IRH 2.5	1848230000	
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DEK 6	see main catalogue	
DEK 6	1609820000	1000
MC ZS 12/6	1610020000	400
MC WS 10/6	1818400000	200

Dimensions/Approvals	
Width/length/height (mm)	with TS 35 x 7.5 
Insulation stripping length	mm


Rating following IEC 60 947-7-1	
Rated voltage/current PEN/cross-section	
Rated voltage/rated impulse voltage/pollution severity	
I.a.w VDE 0110/1.89 to adjacent terminal	

Further technical data	
Clampable conductors:	
Single core / flexible core H05V-U/K	mm <sup>2</sup>
Single core / flexible core H07V-U/K	mm <sup>2</sup>
fine stranded (min. individual diameter ≥ 0.15 mm)	mm <sup>2</sup>
AWG-conductor size	AWG
"f" with ferrules in accordance with DIN 46 228/1***	mm <sup>2</sup>
"f" with ferrules with plastic collar***	mm <sup>2</sup>
Max. tem. range in mm <sup>2</sup>	Size
Permanent current of cross-connection 2-pole/multi-pole	A
Tightening torque range	Nm


Rating following UL/CSA	
Rated voltage/current/cross-section	UL
Rated voltage/current/cross-section	CSA


Ordering data	Version
	green/yellow Wemid


End plate/Partition	Version
IAP 	Thickness = 2 mm beige Wemid blue Wemid

Rail support	
SH 	For insulated arrangement of mounted rails in isolated installations.

Test adapter	Version
ITA 	without pin with pin

Screwdriver	
SD i.a.w DIN 5264-A 	

Cable cutter „swifty“ <sup>®</sup>	
	

Screwdriver with cable cutter „swifty“ set <sup>®</sup>	
	

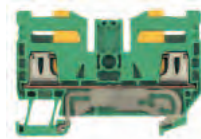
Cover	
IAD 	

Group marking	
ZGB 	Back snap-on tag
ESO 	
STR 	Transparent protective cover

Reducing sleeves	
IRH for conductor ≤ 1 mm <sup>2</sup>	

Marking tags	Print
	DEK Standard
	DEK 6 neutral MC
	ZS 12/6 neutral MC
	ZS WS 10/6 neutral MC

## IPE 2.5 N



6 / 66.4 / 45.6
-V / -A / 2.5 mm <sup>2</sup>
800 V / 8 kV / 3

0.5 ...1.0
1.5 ... 2.5
-
20 ... 14
0.52 ... 2.08
-
-
0.5 ... 2.5**
24 / 24
-

600 V / - A / 20 ... 14 AWG
600 V / - A / 20 ... 14 AWG

Type	Part No.	Qty.
IPE 2.5N	1812920000	50
IAP 2.5 N	1813020000	50
IAP 2.5 N BL	1813030000	50

SH2	0494920000	10
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ITA 2	1821210000	
ITA 2/ZA	1821220000	

SD 0.6 x 3.5	9008330000	1
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	9006020000	1
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SD 0.6 x 3.5	9006060000	1
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IAD 2/4	1828420000	
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ZGB 30	1611930000	20
ESO 7	1607720000	240
STR 7	0515300000	20

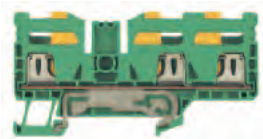
IRH 2.5	1848230000	
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DEK 6	see main catalogue	
DEK 6	1609820000	1000
MC ZS 12/6	1610020000	400
MC WS 10/6	1818400000	200

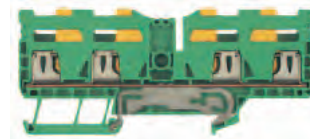
\*\* Conductor ≤ 1mm<sup>2</sup> with IRH 2.5 \*\*\*Ferrules crimped gas-tight

# Protective conductor terminal blocks


## IPE 2.5 N/3AN



## IPE 2.5 N/4AN



### Dimensions/Approvals

Width/length/height (mm) with TS 35 x 7.5  6 / 87.9 / 45.6  
 Insulation stripping length mm

### Rating following IEC 60 947-7-1

Rated voltage/current PEN/cross-section -V / -A / 2.5 mm<sup>2</sup>  
 Rated voltage/rated impulse voltage/pollution severity 800 V / 8 kV / 3  
 I.a.w VDE 0110/1.89 to adjacent terminal

### Further technical data

Clampable conductors:  
 Single core / flexible core H05V-U/K mm<sup>2</sup> 0.5 ... 1.0  
 Single core / flexible core H07V-U/K mm<sup>2</sup> 1.5 ... 2.5  
 fine stranded (min. individual diameter ≥ 0.15 mm) mm<sup>2</sup> -  
 AWG-conductor size AWG 20 ... 14 AWG  
 mm<sup>2</sup> 0.52 ... 2.08  
 "f" with ferrules in accordance with DIN 46 228/1\* mm<sup>2</sup> -  
 "f" with ferrules with plastic collar mm<sup>2</sup> -  
 Max. term. range in mm<sup>2</sup> Size 0.5 ... 2.5\*\*  
 Permanent current of cross-connection 2-pole/multi-pole A 24 / 24  
 Tightening torque range Nm -

### Rating following UL/CSA

Rated voltage/current/cross-section UL 600 V / 15 A / 20 ... 14 AWG  
 Rated voltage/current/cross-section CSA 600 V / 15 A / 20 ... 14 AWG

### Ordering data

Version green/yellow Wemid

### End plate/Partition

IAP Thickness = 2 mm beige Wemid  
 blue Wemid

### Rail support

SH For insulated arrangement of mounted rails in isolated installations.

### Test adapter

ITA without pin  
 with pin

### Screwdriver


SD i.a.w DIN 5264-A

### Cable cutter „swifty“

### Screwdriver with cable cutter „swifty“set“

SD 0.6 x 3.5

### Cover

IAD 

### Group marking

ZGB   
 ESO  Back snap-on tag  
 Transparent protective cover

### Reducing sleeves

IRH for conductor ≤ 1 mm<sup>2</sup>

### Marking tags

Print DEK Standard  
 DEK 6 neutral MC DEK 6  
 ZS 12/6 neutral MC MC ZS 12/6  
 ZS WS 10/6 neutral MC MC WS 10/6

6 / 87.9 / 45.6

-V / -A / 2.5 mm<sup>2</sup>  
 800 V / 8 kV / 3

0.5 ... 1.0

1.5 ... 2.5

-

20 ... 14 AWG

0.52 ... 2.08

-

-

0.5 ... 2.5\*\*

24 / 24

-

600 V / 15 A / 20 ... 14 AWG

600 V / 15 A / 20 ... 14 AWG

**Type Part No. Qty.**

IPE 2.5N/3AN **1812950000** 100

IAP 2.5 N/3AN **1813040000** 50

IAP 2.5 N/3AN BL **1813050000** 50

SH2 **0494920000** 10

ITA 2 **1821210000**

ITA 2/ZA **1821220000**

SD 0.6 x 3.5 **9008330000** 1

**9006020000** 1

SD 0.6 x 3.5 **9006060000** 1

IAD 2/4 **1828420000**

ZGB 30 **1611930000** 20

ESO 7 **1607720000** 240

STR 7 **0515300000** 20

IRH 2.5 **1848230000**

DEK 6 see main catalogue

DEK 6 **1609820000** 1000

MC ZS 12/6 **1610020000** 400

MC WS 10/6 **1818400000** 200

6 / 105.9 / 45.6

-V / -A / 2.5 mm<sup>2</sup>  
 800 V / 8 kV / 3

0.5 ... 1.0

1.5 ... 2.5

-

20 ... 14 AWG

0.52 ... 2.08

-

-

0.5 ... 2.5\*\*

24 / 24

-

600 V / 15 A / 20 ... 14 AWG

600 V / 15 A / 20 ... 14 AWG

**Type Part No. Qty.**

IPE 2.5N/4AN **1812980000** 100

IAP 2.5 N/4AN **1813070000** 25

IAP 2.5 N/4AN BL **1813080000** 25

SH2 **0494920000** 10

ITA 2 **1821210000**

ITA 2/ZA **1821220000**

SD 0.6 x 3.5 **9008330000** 1

**9006020000** 1

SD 0.6 x 3.5 **9006060000** 1

IAD 2/4 **1828420000**

ZGB 30 **1611930000** 20

ESO 7 **1607720000** 240

STR 7 **0515300000** 20

IRH 2.5 **1848230000**

DEK 6 see main catalogue

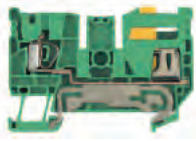
DEK 6 **1609820000** 1000

MC ZS 12/6 **1610020000** 400

MC WS 10/6 **1818400000** 200

# Protective conductor terminal blocks

## IPE 2.5 N/ZF



6 / 66.4 / 45.6  
10

-V / -A / 1.5 mm<sup>2</sup>  
800 V / 8 kV / 3

IDC	Tension clamp	
0,5 ... 1,0	0,5 ... 1,0	
1,5 ... 2,5	1,5 ... 6	
-		
20 ... 14	26 ... 10	
0,52 ... 2,08	0,13 ... 5,26	
-	0,5 ... 4	
-	0,5 ... 4	
0,5 ... 2,5**	0,13 ... 6	A3
24 / 24		
-		

600 V / - A / 20 ... 14 AWG  
600 V / - A / 20 ... 14 AWG

Type	Part No.	Qty.
IPE 2.5N/ZF	1821280000	
IAP 2.5 N/2AN	1813020000	25
IAP 2.5 N/2AN BL	1813030000	25

SH2 0494920000 10

ITA 2 1821210000  
ITA 2/ZA 1821220000

SD 0.6 x 3.5 9008330000 1

9006020000 1

SD 0.6 x 3.5 9006060000 1

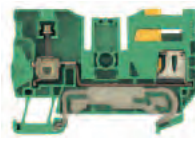
IAD 2/4 1828420000

ZGB 30 1611930000 20  
ESO 7 1607720000 240  
STR 7 0515300000 20

IRH 2.5 1848230000

DEK 6 see main catalogue  
DEK 6 1609820000 1000  
MC ZS 12/6 1610020000 400  
MC WS 10/6 1818400000 200

## IPE 2.5 N/ZB



6 / 66.4 / 45.6  
10

-V / -A / 1.5 mm<sup>2</sup>  
800 V / 8 kV / 3

IDC	Clamping yoke	
0,5 ... 1,0	0,5 ... 1,0	
1,5	1,5 ... 6	
-		
20 ... 14	22 ... 12	
0,52 ... 2,08	0,33 ... 3,31	
-	0,5 ... 4	
-	0,5 ... 4	
0,5 ... 2,5**	1 ... 6	A4
24 / 24		
-	0,5 ... 1,0	

600 V / - A / 20 ... 14 AWG  
600 V / - A / 20 ... 14 AWG

Type	Part No.	Qty.
IPE 2.5N/ZB	1821310000	
IAP 2.5 N/2AN	1813020000	25
IAP 2.5 N/2AN BL	1813030000	25

SH2 0494920000 10

ITA 2 1821210000  
ITA 2/ZA 1821220000

SD 0.6 x 3.5 9008330000 1

9006020000 1

SD 0.6 x 3.5 9006060000 1

IAD 2/4 1828420000

ZGB 30 1611930000 20  
ESO 7 1607720000 240  
STR 7 0515300000 20

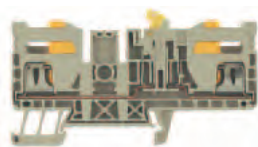
IRH 2.5 1848230000

DEK 6 see main catalogue  
DEK 6 1609820000 1000  
MC ZS 12/6 1610020000 400  
MC WS 10/6 1818400000 200

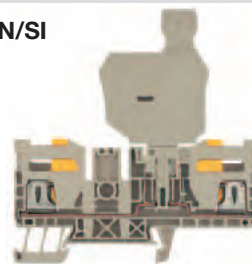
\* Ferrules crimped gas-tight \*\*Conductor  $\leq$  1mm<sup>2</sup> with IRH 2.5

# Disconnect test terminals / Fuse terminals

## ITR 2.5 N



## ITR 2.5 N/SI



### Dimensions/Approvals

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

6 / 87.9 / 45.6

6 / 87.9 / 92.5

### Rated data

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

400 V / 18 A / 2.5 mm<sup>2</sup>  
6 kV / 3

250 V / 6.3A / 2.5 mm<sup>2</sup>  
6 kV / 3

### Further technical data

Clampable conductors:  
Single core / flexible core H05V-U/K mm<sup>2</sup> 0.5 ... 1.0  
Single core / flexible core H07V-U/K mm<sup>2</sup> 1.5 ... 2.5  
fine stranded (min. individual diameter ≥ 0.1 mm) mm<sup>2</sup> –  
AWG-conductor size AWG 20 ... 14  
mm<sup>2</sup> 0.52 ... 2.08  
"f" with ferrules in accordance with DIN 46 228/1 mm<sup>2</sup> –  
"f" with ferrules with plastic collar mm<sup>2</sup> –  
Max. term. range in mm<sup>2</sup> Size 0.5 ... 2.5\*\*  
Permanent current of cross-connection 2-pole/multi-pole A 24 / 24  
Tightening torque range Nm –

0.5 ... 1.0  
1.5 ... 2.5  
–  
20 ... 14  
0.52 ... 2.08  
–  
–  
0.5 ... 2.5\*\*  
24 / 24  
–

### Rating following UL/CSA

Rated voltage/current/cross-section UL 300 V/ 10 A/ 20 ... 14 AWG  
Rated voltage/current/cross-section CSA 300 V/ 10 A/ 20 ... 14 AWG

300 V/ 6.3 A/ 20 ... 14 AWG  
300 V/ 6.3 A/ 20 ... 14 AWG

### Ordering data

Version	Type	Part No.	Qty.
beige Wemid	ITR 2.5N	1812990000	100
blue Wemid	ITR 2.5NBL	1813000000	100

Version	Type	Part No.	Qty.
	ITR 2.5N/SI	1813010000	25

### End plate/Partition

IAP Thickness = 2 mm  
beige Wemid  
blue Wemid

Version	Type	Part No.	Qty.
	IAP 2.5 N/3AN	1813040000	50
	IAP 2.5 N/3AN BL	1813050000	50

Version	Type	Part No.	Qty.
	IAP 2.5 N/3AN	1813040000	50
	IAP 2.5 N/3AN BL	1813050000	50

### Cross-connection\*

ZQV 4  
2-pole  
3-pole  
4-pole  
5-pole  
6-pole  
7-pole  
8-pole  
9-pole  
10-pole

Version	Type	Part No.	Qty.
	ZQV 4/2	1608950000	60
	ZQV 4/3	1608960000	60
	ZQV 4/4	1608970000	60
	ZQV 4/5	1608980000	20
	ZQV 4/6	1608990000	20
	ZQV 4/7	1609000000	20
	ZQV 4/8	1609010000	20
	ZQV 4/9	1609020000	20
	ZQV 4/10	1609030000	20

Version	Type	Part No.	Qty.
	ZQV 4/2	1608950000	60
	ZQV 4/3	1608960000	60
	ZQV 4/4	1608970000	60
	ZQV 4/5	1608980000	20
	ZQV 4/6	1608990000	20
	ZQV 4/7	1609000000	20
	ZQV 4/8	1609010000	20
	ZQV 4/9	1609020000	20
	ZQV 4/10	1609030000	20

### Test adapter/Test Plug

ITA without pin  
with pin

Version	Type	Part No.	Qty.
	ITA 2	1821210000	
	ITA 2/ZA	1821220000	
	PS 2.3	0180400000	

Version	Type	Part No.	Qty.
	ITA 2	1821210000	
	ITA 2/ZA	1821220000	
	PS 2.3	0180400000	

### Screwdriver

SD i.a.w DIN 5264-A

Version	Type	Part No.	Qty.
	SD 0.6 x 3.5	9008330000	1

Version	Type	Part No.	Qty.
	SD 0.6 x 3.5	9008330000	1

### Cable cutter „swifty“

Version	Type	Part No.	Qty.
		9006020000	1


Version	Type	Part No.	Qty.
		9006020000	1

### Screwdriver with cable cutter „swifty“set“

Version	Type	Part No.	Qty.
	SD 0.6 x 3.5	9006060000	1

Version	Type	Part No.	Qty.
	SD 0.6 x 3.5	9006060000	1

### Cover

IAD 

Version	Type	Part No.	Qty.
	IAD 2/4	1828420000	

Version	Type	Part No.	Qty.
	IAD 2/4	1828420000	

### Group marking

ZGB Back snap-on tag  
ESO Transparent protective cover  
STR

Version	Type	Part No.	Qty.
	ZGB 30	1611930000	20
	ESO 7	1607720000	240
	STR 7	0515300000	20

Version	Type	Part No.	Qty.
	ZGB 30	1611930000	20
	ESO 7	1607720000	240
	STR 7	0515300000	20

### Reducing Sleeves

IRH for conductor ≤ 1 mm<sup>2</sup>

Version	Type	Part No.	Qty.
	IRH 2.5	1848230000	

Version	Type	Part No.	Qty.
	IRH 2.5	1848230000	

### Marking tags

DEK Standard  
DEK 6 neutral MC  
ZS 12/6 neutral MC  
DEK ZS WS 10/6 neutral MC

Version	Type	Part No.	Qty.
	DEK 6	see main catalogue	
	DEK 6	1609820000	1000
	MC ZS 12/6	1610020000	400
	MC WS 10/6	1818400000	200

Version	Type	Part No.	Qty.
	DEK 6	see main catalogue	
	DEK 6	1609820000	1000
	MC ZS 12/6	1610020000	400
	MC WS 10/6	1818400000	200

\* Reduced voltage ratings result from the use of cross-connections. Details available on request. \*\*Conductor ≤ 1mm<sup>2</sup> with IRH 2.5

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