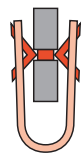


Terminals, I-Series

Terminals, I-Series	Overview I-Series	C.2
	Mode of operation for terminals	C.4
	Feed-through terminals	C.6
	Modular PE terminals	C.10
	Double level terminals	C.14
	Test-disconnect terminals	C.18
	Fuse terminals	C.20
	Hybrid modular terminals	C.22
	Pluggable standard terminals	C.30
	Initiator and actuator terminals	C.32
	Accessories I-Series	C.36

I-Series / IDC connection technology



IDC stands for Insulation Displacement Connection. Innovative, more effective, offering greater cost-savings and maximum contact reliability.

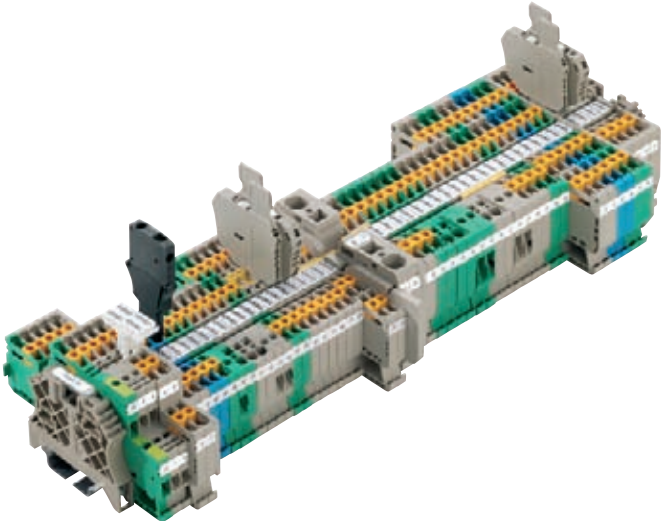
This method of connection, already tried and tested in telecommunications and electronics, is now available for industrial applications incorporated into modular terminals.

The IDC technology results in minimum work during installation but still guarantees reliable contact – and all **without special cable preparation tools, the associated time or cost.**

All standardised PVC-insulated conductors with cross-sections between 0.21 and 1.5 mm² (0.5 and 2.5 mm²) are suitable for this type of connection.

Users who wish to connect special conductors should consult Weidmüller first. For all up-to-date information about this type of connection simply visit the website at **www.idc2.de**.

If it is not possible to connect a certain type of conductor, the Weidmüller hybrid terminals, could offer the best solution. These terminals have an IDC on one side and either a screw or tension clamp connection on the other.



Product overview

Rated cross-section	1.5 mm²	2.5 mm²
Feed-through terminals		
2 connections	•	•
PE terminals		
2 connections	•	•
3 connections	•	•
4 connections	•	•
Fuse terminals	•	•
Disconnect test terminal blocks	•	•
Double terminals	•	
Initiator / actuator terminals	•	
Plug-in terminals	•	
Hybrid terminals (IDC-screw)		
2 connections	•	•
3 connections	•	•
Hybrid terminals (IDC-spring)		
2 connections	•	•
3 connections	•	
Terminals with electrical components	•	•

1 The connection

Separating the electrical and mechanical functions (galvanic isolation) results in major advantages for this type of connection, too.

- Extremely high contact reliability thanks to the extra spring (spring steel).
- Copper current bar for low through resistance..
- A wide clamping range for different cross-sections: 0.21...1.5 mm² and 0.50...2.5 mm²

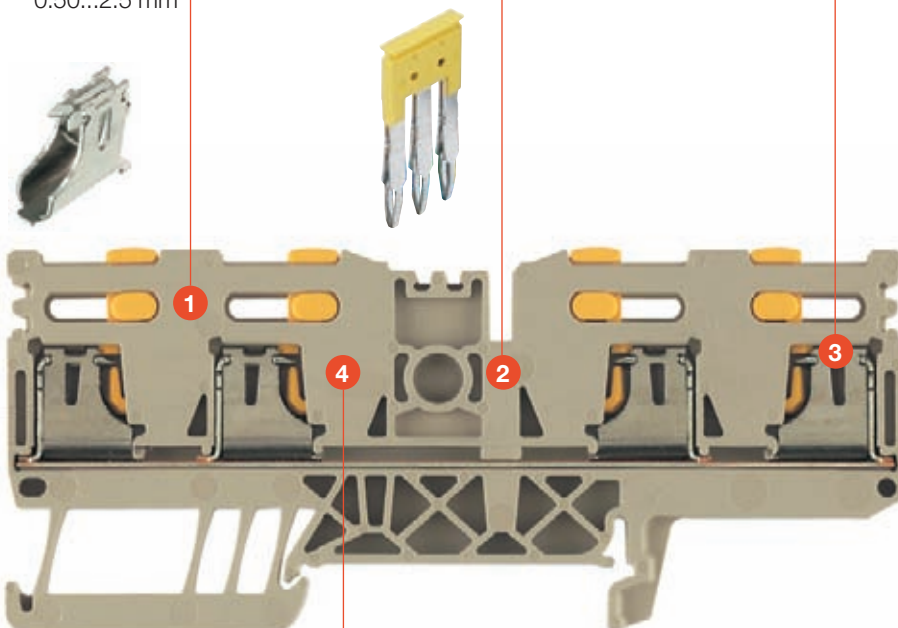
2 Plug-in cross-connections

- 2- to 10-pole, or "endless" for custom fabrication.
- Full rated current.
- Break-out poles for bypassing alternate potentials.
- Electric shock protection (finger-proof) to German standard BGV A2

3 Maximum ease of use

Insert the screwdriver as far as possible into the clamping point, press sideways, and the connection is complete!

A visible, reliable connection.

**The Wemid insulating material**

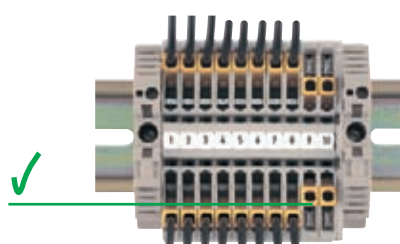
- Non-tracking, CTI 600
- Thermally stable up to 120 °C
- V0 flammability rating to UL 94
- Free from halogen and phosphor flame-retardant substances

Major time- and cost-savings

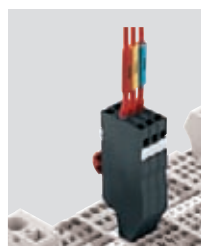
- Time-savings of up to 76 % compared with conventional types of connection (see next page)

4 Reliable contact

- Reliable contact thanks to the visual check

**Comprehensive accessories**

- Test adapter, test plug
- Can be used with standard and group markers
- End plates, partition plates
- Covers
- Reducing sleeves
- Fuse holder

**Standards and directives**

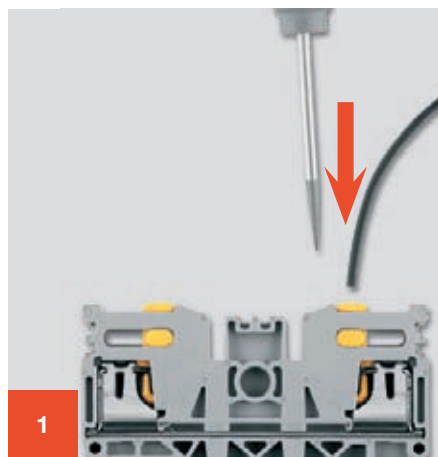
IDC2 terminals comply with standards such as:

- Modular terminal standards: IEC 60947-7-1/-2/-3
- IDC standard: IEC 60352-4
- More stringent Weidmüller tests
- National and international approvals, Germanischer Lloyd, Lloyds Register, DNV, RINA, KEMA, KEUR
- ATEX approval



How it works

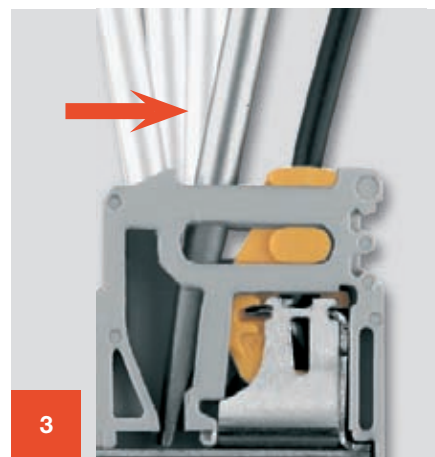
No stripping – no crimping – no special tools



Insert the cut-off conductor straight into the terminal ...



... then insert the screwdriver as far as it will go in front of the slide.



Now press the slide using the screwdriver so that it engages.

Pull the screwdriver out: the conductor is securely in place. Without stripping or crimping ferrules, without the need for any special tools.

A look inside ...

shows the benefits of our technology.

Conductor being cut:

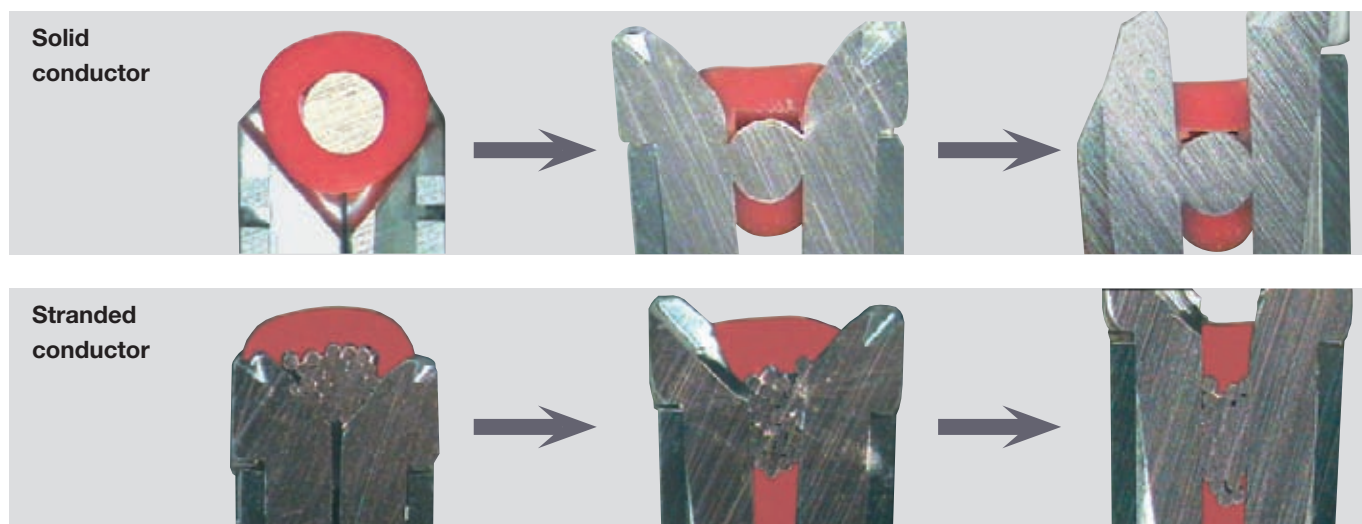
the insulation is pre-cut.

Conductor during wiring:

the insulation is cut through, producing the first contact with the current bar.

Conductor in its final position:

the insulation is cut through completely, ensuring secure contact over a wide area.

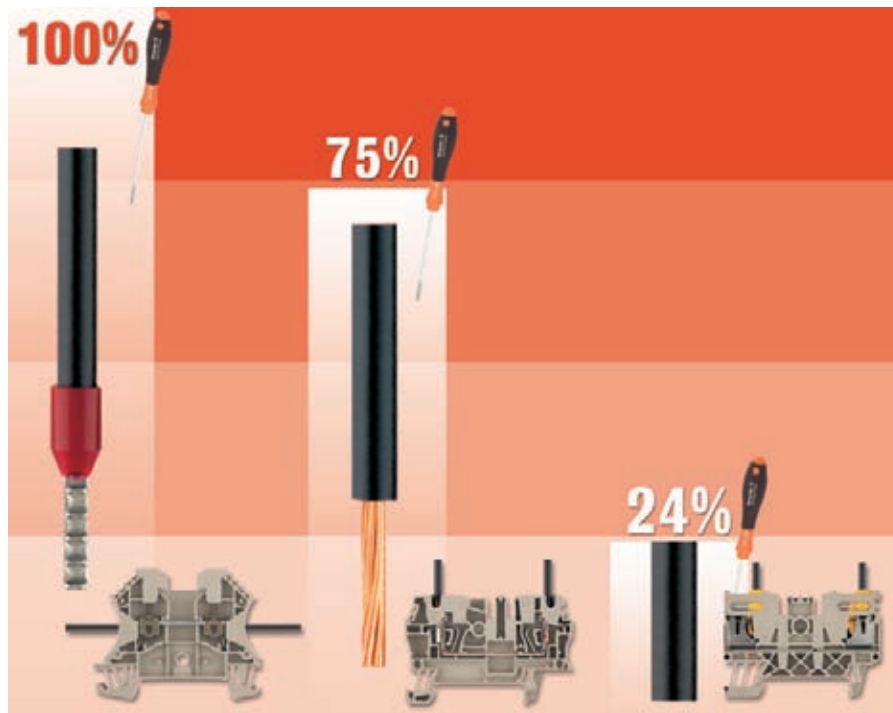


The benefits: Extreme time-savings

In comparison:
Clamping yoke

Tension clamp

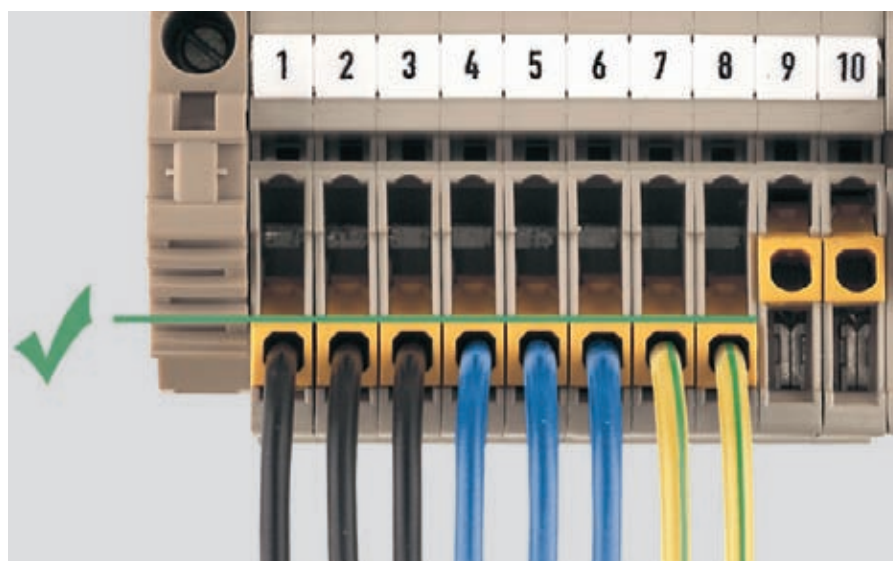
IDC2



Quick connection ...
secure contact

Connecting with convincing results: practical tests have shown that users can achieve time-savings of up to 76 % compared to other connection techniques. The high-speed connection and more secure contact are produced without any additional tools.

Secure connection with visual function check



The yellow sliding mechanism shows you at a glance whether the conductor is properly in contact.

Separately sprung

The tensioned steel IDC contact ensures galvanic isolation. This principle offers a high degree of safety and flexibility when connecting up different conductor cross-sections.



IDU 1.5N/4AN

1.5 mm²

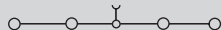
4 connections



5.1 x 93.5 x 40.5

/ 1.5

0.21...1.5

IEC 60947-7-1 / IEC 60352-4 Ex e II  II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
17.5	10	10	15
1.5	AWG 24...16	AWG 24...16	1.5
6 / 3			
V-0			

KEMA 02ATEX2241 U

Rated connection

0.21...1.5

0.21...1.5

0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

IDU 1.5N/2X2AN

1.5 mm²

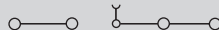
2 x 2 connections



5.1 x 93.5 x 40.5

/ 1.5

0.21...1.5

IEC 60947-7-1 / IEC 60352-4 Ex e II  II 2 G D

IEC	UL	CSA	EN 60079-7
500			275
17.5			
1.5	AWG 24...16	AWG 24...16	1.5
6 / 3			
V-0			

KEMA 02ATEX2241 U

Rated connection

0.21...1.5

0.21...1.5

0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty	Order No.
IDU 1.5N/4AN	100	1792600000
IDU 1.5N/4AN BL	100	1792610000

Type	Qty	Order No.
IDU 1.5N/2X2AN	100	1824340000

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N/4AN	2 mm	50	1792470000
IAP 1.5N/4AN BL	2 mm	50	1792480000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N/4AN	2 mm	50	1792470000
IAP 1.5N/4AN BL	2 mm	50	1792480000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

WS 10/5

WS 10/5

Feed-through terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Blade size	
Note	

Ordering data

Version	
	Dark beige Wemid
	Blue Wemid
Note	

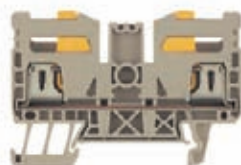
Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End plate / partition	
	Dark beige Wemid
	Blue Wemid
End bracket	
	Dark beige Wemid
Test adapter	
	Standard
	With assembly peg
Screwdriver	
	with „swifty set“ cutting device
	Standard
Reducing sleeves	
	For conductors < 0,5 mm ² / AWG 20
	For conductors < 1,0 mm ² / AWG 18
Cover	
	With lightning flash symbol
	blank
Marking systems	
	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

IDU 2.5N

2.5 mm²

2 connections



6.1 x 67 x 45.6	
/ 2.5	
0.5...2.5	

IEC 60947-7-1 / IEC 60352-4 Ex e ll II 2 G D			
IEC	UL	CSA	EN 60079-7
800	600	600	550
24	15	15	21
2.5	AWG 20...14	AWG 20...14	2.5
8 / 3			
V-0			
DEMKO 03ATEX134054U			
Rated connection			
0.5...2.5			
0.5...2.5			
0.6 x 3.5 mm			
Note			

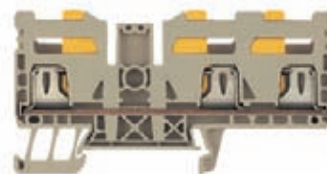
Type	Qty	Order No.
IDU 2.5N	100	1812900000
IDU 2.5N BL	100	1812910000
Note		

Type	current	Qty	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/3 GE	32 A	60	1608960000
ZQV 4/4 GE	32 A	60	1608970000
ZQV 4/10 GE	32 A	20	1609030000
ZQV 4/20 GE	32 A	20	1909010000
Width			
IAP 2.5N	2 mm	50	1813020000
IAP 2.5N BL	2 mm	50	1813030000
WEW 35/2			
	8 mm	100	1061200000
ITA 2			
	6.1 mm	25	1821210000
ITA 2/ZA			
	6.1 mm	25	1821220000
SWIFTY SET			
		1	9006060000
SD 0.6x3.5x100			
		1	9008330000
IRH 2.5			
		100	1848230000
IAD 2/4 GE MIT BLITZ			
		20	1828420000
IAD 2/4 GE NEUTRAL			
		20	1828430000
WS 10/6			

IDU 2.5N/3AN

2.5 mm²

3 connections



6.1 x 88.5 x 45.6	
/ 2.5	
0.5...2.5	

IEC 60947-7-1 / IEC 60352-4 Ex e ll II 2 G D			
IEC	UL	CSA	EN 60079-7
800	600	600	550
24	15	15	21
2.5	AWG 20...14	AWG 20...14	2.5
8 / 3			
V-0			
DEMKO 03ATEX134054U			
Rated connection			
0.5...2.5			
0.5...2.5			
0.6 x 3.5 mm			
Note			

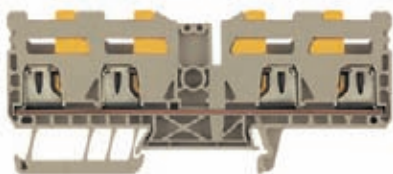
Type	Qty	Order No.
IDU 2.5N/3AN	100	1812930000
IDU 2.5N/3AN BL	100	1812940000
Note		

Type	current	Qty	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/3 GE	32 A	60	1608960000
ZQV 4/4 GE	32 A	60	1608970000
ZQV 4/10 GE	32 A	20	1609030000
ZQV 4/20 GE	32 A	20	1909010000
Width			
IAP 2.5N/3AN	2 mm	50	1813040000
IAP 2.5N/3AN BL	2 mm	50	1813050000
WEW 35/2			
	8 mm	100	1061200000
ITA 2			
	6.1 mm	25	1821210000
ITA 2/ZA			
	6.1 mm	25	1821220000
SWIFTY SET			
		1	9006060000
SD 0.6x3.5x100			
		1	9008330000
IRH 2.5			
		100	1848230000
IAD 2/4 GE MIT BLITZ			
		20	1828420000
IAD 2/4 GE NEUTRAL			
		20	1828430000
WS 10/6			

IDU 2.5N/4AN

2.5 mm²

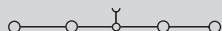
4 connections



6.1 x 106 x 45.6

/ 2.5

0.5...2.5

IEC 60947-7-1 / IEC 60352-4 Ex e II  II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	15	15	21
2.5	AWG 20...14	AWG 20...14	2.5
8 / 3			
V-0			

DEMKO 03ATEX134054U

Rated connection

0.5...2.5

0.5...2.5

0.6 x 3.5 mm

Type	Qty	Order No.
IDU 2.5N/4AN	50	1812960000
IDU 2.5N/4AN BL	50	1812970000

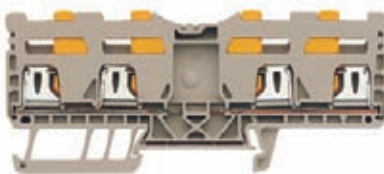
Type	current	Qty	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/3 GE	32 A	60	1608960000
ZQV 4/4 GE	32 A	60	1608970000
ZQV 4/10 GE	32 A	20	1609030000
ZQV 4/20 GE	32 A	20	1909010000
Width			
IAP 2.5N/4AN	2 mm	50	1813070000
IAP 2.5N/4AN BL	2 mm	50	1813080000
WEW 35/2			
	8 mm	100	1061200000
ITA 2			
	6.1 mm	25	1821210000
ITA 2/ZA	6.1 mm	25	1821220000
SWIFTY SET			
		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5			
		100	1848230000
IAD 2/4 GE MIT BLITZ			
		20	1828420000
IAD 2/4 GE NEUTRAL		20	1828430000

WS 10/6

IDU 2.5N/2x2AN

2.5 mm²

2 x 2 connections



6.1 x 106 x 45.6

/ 2.5

0.5...2.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA
800	600	600
24	15	15
2.5	AWG 20...14	AWG 20...14
8 / 3		
V-0		

DEMKO 03ATEX134054U

Rated connection

0.5...2.5

0.5...2.5

0.6 x 3.5 mm

Type	Qty	Order No.
IDU 2.5N/2x2AN	50	1821230000

Type	current	Qty	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/3 GE	32 A	60	1608960000
ZQV 4/4 GE	32 A	60	1608970000
ZQV 4/10 GE	32 A	20	1609030000
ZQV 4/20 GE	32 A	20	1909010000
Width			
IAP 2.5N/4AN	2 mm	50	1813070000
IAP 2.5N/4AN BL	2 mm	50	1813080000
WEW 35/2			
	8 mm	100	1061200000
ITA 2			
	6.1 mm	25	1821210000
ITA 2/ZA	6.1 mm	25	1821220000
SWIFTY SET			
		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5			
		100	1848230000
IAD 2/4 GE MIT BLITZ			
		20	1828420000
IAD 2/4 GE NEUTRAL		20	1828430000

WS 10/6

Modular PE terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated cross-section	mm ²
Rated voltage to adjacent terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Pollution severity	
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Blade size	
Note	

Ordering data

Version	green/yellow Wemid
Note	

Accessories

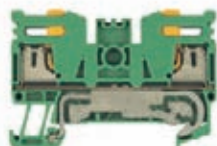
End plate / partition	Dark beige Wemid
End bracket	Dark beige Wemid
Test adapter	Standard With assembly peg
Screwdriver	with „swiftly set“ cutting device Standard
Reducing sleeves	For conductors < 0,5 mm ² / AWG 20 For conductors < 1,0 mm ² / AWG 18
Cover	With lightning flash symbol blank

Marking systems	(see assortment in catalogue 7) Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

IPE 1.5N

1.5 mm²

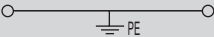
2 connections



5.1 x 59.5 x 40.5

/ 1.5

0.21...1.5



IEC 60947-7-2 / IEC 60352-4

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 24...16	AWG 24...16	1.5
500			
6			
	3		
	V-0		



KEMA 02ATEX2241 U

Rated connection

0.21...1.5

0.21...1.5

0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty	Order No.
IPE 1.5N	100	1792560000

Type	Width	Qty	Order No.
IAP 1.5N	2 mm	50	1792430000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

WS 10/5	
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IPE 1.5N/3AN

1.5 mm²

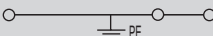
3 connections



5.1 x 78.5 x 40.5

/ 1.5

0.21...1.5



IEC 60947-7-2 / IEC 60352-4

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 24...16	AWG 24...16	1.5
500			
6			
	3		
	V-0		



KEMA 02ATEX2241 U

Rated connection

0.21...1.5

0.21...1.5

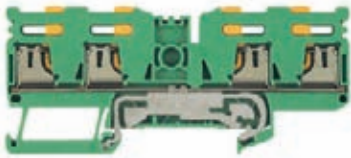
0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

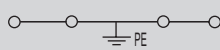
Type	Qty	Order No.
IPE 1.5N/3AN	100	1792590000

Type	Width	Qty	Order No.
IAP 1.5N/3AN	2 mm	50	1792450000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

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

IPE 1.5N/4AN**1.5 mm²****4 connections**

5.1 x 93.5 x 40.5

/ 1.5**0.21...1.5**

IEC 60947-7-2 / IEC 60352-4 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 24...16	AWG 24...16	1.5
500			
6			
	3		
	V-0		

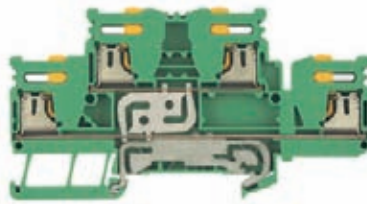
KEMA 02ATEX2241 U

Rated connection

0.21...1.5

0.21...1.5

0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5**IDK 1.5N/PE****1.5 mm²****Double-level terminal**

5.1 x 100 x 54

/ 1.5**0.21...1.5**

IEC 60947-7-2 / IEC 60352-4 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 24...16	AWG 24...16	1.5
500			
6			
	3		
	V-0		

KEMA 02ATEX2241 U

Rated connection

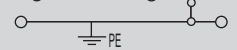
0.21...1.5

0.21...1.5

0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5**IDK 1.5N DU-PE****1.5 mm²****Double-level terminal (DU-PE)**

5.1 x 100 x 54

17.5 / 1.5**0.21...1.5**

IEC 60947-7-1 / IEC 60352-4, IEC 60947-7-2 / IEC 60352-4

IEC	UL	CSA
1.5	AWG 24...16	AWG 24...16
500		
6		
	3	
	V-0	

KEMA 02ATEX2241 U

Rated connection

0.21...1.5

0.21...1.5

0.6 x 3.5 mm

Conductor < 0.5mm²/AWG 24 with IRH 1.5

Type	Qty	Order No.
IPE 1.5N/4AN	100	1792620000

Type	Qty	Order No.
IDK 1.5N PE	50	1792690000

Type	Qty	Order No.
IDK 1.5N DU-PE	50	1881610000

Type	Width	Qty	Order No.
IAP 1.5N/4AN	2 mm	50	1792470000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

Type	Width	Qty	Order No.
IAP 1.5N/DK	2 mm	50	1792520000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

Type	Width	Qty	Order No.
IAP 1.5N/DK	2 mm	50	1792520000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY		1	9006020000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000

WS 10/5

WS 10/5

WS 10/5

Modular PE terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated cross-section	mm ²
Rated voltage to adjacent terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Pollution severity	
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Blade size	
Note	

Ordering data

Version	green/yellow Wemid
Note	

Accessories

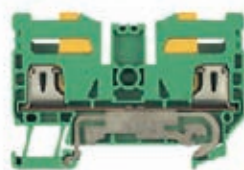
End plate / partition	Dark beige Wemid
End bracket	Dark beige Wemid
Test adapter	Standard With assembly peg
Screwdriver	with „swiftly set“ cutting device Standard
Reducing sleeves	For conductors < 0,5 mm ² / AWG 20 For conductors < 1,0 mm ² / AWG 18
Cover	With lightning flash symbol blank

Marking systems	(see assortment in catalogue 7) Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

IPE 2.5N

2.5 mm²

2 connections



6.1 x 67 x 45.6	
/ 2.5	
0.5...2.5	

IEC 60947-7-2 / IEC 60352-4	Ex e II	Ex	II 2 G D
IEC	UL	CSA	EN 60079-7
2.5	AWG 20...14	AWG 20...14	2.5
800			
8			
	3		
	V-0		
DEMKO 03ATEX134054U			
Rated connection			
0.5...2.5			
0.5...2.5			
0.6 x 3.5 mm			

Type	Qty	Order No.
IPE 2.5N	100	1812920000

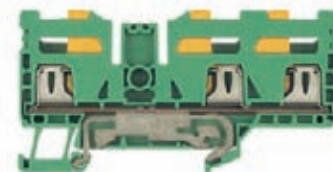
Type	Width	Qty	Order No.
IAP 2.5N	2 mm	50	1813020000
WEW 35/2	8 mm	100	1061200000
ITA 2	6.1 mm	25	1821210000
ITA 2/ZA	6.1 mm	25	1821220000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000
IAD 2/4 GE MIT BLITZ		20	1828420000
IAD 2/4 GE NEUTRAL		20	1828430000

WS 10/6	
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IPE 2.5N/3AN

2.5 mm²

3 connections



6.1 x 88.5 x 45.6	
/ 2.5	
0.5...2.5	

IEC 60947-7-2 / IEC 60352-4	Ex e II	Ex	II 2 G D
IEC	UL	CSA	EN 60079-7
2.5	AWG 20...14	AWG 20...14	2.5
800			
8			
	3		
	V-0		
DEMKO 03ATEX134054U			
Rated connection			
0.5...2.5			
0.5...2.5			
0.6 x 3.5 mm			

Type	Qty	Order No.
IPE 2.5N/3AN	100	1812950000

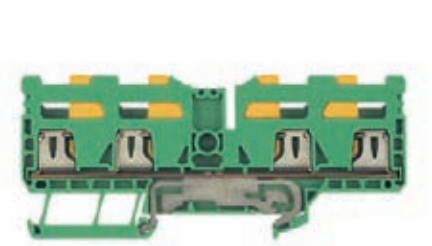
Type	Width	Qty	Order No.
IAP 2.5N/3AN	2 mm	50	1813040000
WEW 35/2	8 mm	100	1061200000
ITA 2	6.1 mm	25	1821210000
ITA 2/ZA	6.1 mm	25	1821220000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000
IAD 2/4 GE MIT BLITZ		20	1828420000
IAD 2/4 GE NEUTRAL		20	1828430000

WS 10/6	
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IPE 2.5N/4AN

2.5 mm²

4 connections



6.1 x 106 x 45.6

/ 2.5

0.5...2.5

IEC 60947-7-2 / IEC 60352-4				Ex e II			II 2 G D	
IEC		UL		CSA		EN 60079-7		
2.5		AWG 20...14		AWG 20...14		2.5		
800								
8								
				3				
				V-0				
     				DEMKO 03ATEX134054U				
Rated connection								
0.5...2.5								
0.5...2.5								
0.6 x 3.5 mm								

Type	Qty	Order No.
IPE 2.5N/4AN	50	1812980000

Type	Width	Qty	Order No.
IAP 2.5N/4AN	2 mm	50	1813070000
WEW 35/2	8 mm	100	1061200000
ITA 2	6.1 mm	25	1821210000
ITA 2/ZA	6.1 mm	25	1821220000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000
IAD 2/4 GE MIT BLITZ		20	1828420000
IAD 2/4 GE NEUTRAL		20	1828430000

WS 10/6

Double level terminals

Feed-through terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Tightening torque range (clamping screw)	
Blade size	
Note	

Ordering data

Version	
	Dark beige Wemid
	Blue Wemid
Note	

Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End plate / partition	
	Dark beige Wemid
	Blue Wemid
End bracket	
	Dark beige Wemid
Test adapter	
	Standard
	With assembly peg
Screwdriver	
	with „swifty set“ cutting device
	Standard
Reducing sleeves	
	For conductors < 0,5 mm ² / AWG 20
Cover	
	With lightning flash symbol
	blank

Marking systems	
	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

IDK 1.5N

1.5 mm²

Double-level terminal



5.1 x 100 x 54	IDC	Y	IDC	IDC
/ 1.5				
0.21...1.5				

IEC 60947-7-1 / IEC 60352-4			Ex e II	 II 2 G D
IEC	UL	CSA	EN 60079-7	
500	300	300	275	
17.5	10	10	15	
1.5	AWG 24...16	AWG 24...16	1.5	
6 / 3				
V-0				
KEMA 02ATEX2241 U				
Rated connection		Further connection		
0.21...1.5				
0.21...1.5				
0.6 x 3.5 mm				
Conductor < 0.5 mm ² / AWG 24 with IRH 1.5				

Type	Qty	Order No.
IDK 1.5N	50	1792650000
IDK 1.5N BL	50	1792660000

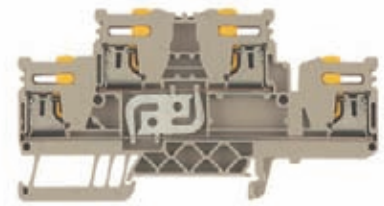
Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N/DK	2 mm	50	1792520000
IAP 1.5N/DK BL	2 mm	50	1792530000
Width			
WEW 35/2	8 mm	100	1061200000
Width			
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
Width			
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
Width			
IRH 1.5		100	1804510000
Width			
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

Marking systems	
	WS 10/5

IDK 1.5N/V

1.5 mm²

Vertical cross-connected double-level terminal



5.1 x 100 x 54	IDC	Y	IDC	IDC
17.5 / 1.5				
0.21...1.5				

IEC 60947-7-1 / IEC 60352-4		Ex e II	 II 2 G D
IEC	UL	CSA	EN 60079-7
500	300	300	275
17.5	10	10	15
1.5	AWG 24...16	AWG 24...16	1.5
6 / 3			
V-0			
   		KEMA 02ATEX2241 U	
Rated connection		Further connection	
0.21...1.5			
0.21...1.5			
0.6 x 3.5 mm			
Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

Type	Qty	Order No.
IDK 1.5N/V	50	1792680000

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N/DK	2 mm	50	1792520000
IAP 1.5N/DK BL	2 mm	50	1792530000
Width			
WEW 35/2	8 mm	100	1061200000
Width			
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
Width			
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
Width			
IRH 1.5		100	1804510000
Width			
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

Marking systems	
	WS 10/5

Feed-through terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Tightening torque range (clamping screw)	
Blade size	

Note

Ordering data

Version	
	Dark beige Wemid
	Blue Wemid
Note	

Accessories

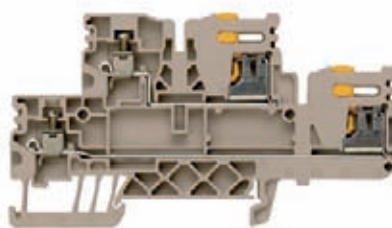
Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End plate / partition	
	Dark beige Wemid
	Blue Wemid
End bracket	
	Dark beige Wemid
Test adapter	
	Standard
	With assembly peg
Screwdriver	
	with „swifty set“ cutting device
	Standard
Reducing sleeves	
	For conductors < 0,5 mm ² / AWG 20
Cover	
	With lightning flash symbol
	blank

Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

IDK 1.5N/ZB

1.5 mm²

Hybrid clamping yoke / IDC



5.1 x 96 x
/ 1.5
0.21...1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA
500	300	300
17.5	10	10
1.5	AWG 24...16	AWG 24...16
	6 / 3	
	V-0	
Rated connection		Further connection
0.21...1.5		0.5...4
0.21...1.5		0.5...4 / 0.5...2.5
		0.4...0.6 Nm (M 2.5)
0.6 x 3.5 mm		
Conductor < 0.5 mm ² / AWG 24 with IRH 1.5		

Type	Qty	Order No.
IDK 1.5N/ZB	50	1891950000
IDK 1.5N/ZB BL	50	1896720000
PE terminal IDK 1.5N/ZB PE: 1891970000; 4 connections at one potential with IDK 1.5N/ZB V: 1891960000;		

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N/DK-ZB	2 mm	50	1896710000
IAP 1.5N/DK-ZB BL	2 mm	50	1896730000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000

Double level terminals

Modular PE terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated cross-section	mm ²
Rated voltage to adjacent terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Pollution severity	
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Blade size	
Note	

Ordering data

Version	
	green/yellow Wemid
Note	

Accessories

End plate / partition	
	Dark beige Wemid
End bracket	
	Dark beige Wemid
Test adapter	
	Standard
	With assembly peg
Screwdriver	
	with „swiftly set“ cutting device
	Standard
Reducing sleeves	
	For conductors < 0,5 mm ² / AWG 20
Cover	
	With lightning flash symbol
	blank

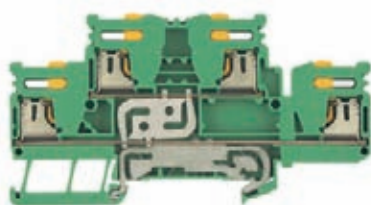


Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

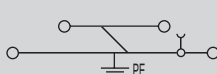
IDK 1.5N/PE

1.5 mm²

Double-level terminal



5.1 x 100 x 54
/ 1.5
0.21...1.5



IEC 60947-7-2 / IEC 60352-4			Ex e II	II 2 G D
IEC	UL	CSA	EN 60079-7	
1.5	AWG 24...16	AWG 24...16	1.5	
500				
6				
	3			
V-0				
		KEMA 02ATEX2241 U		
Rated connection				
0.21...1.5				
0.21...1.5				
0.6 x 3.5 mm				
Conductor < 0.5 mm² / AWG 24 with IRH 1.5				

Type	Qty	Order No.
IDK 1.5N PE	50	1792690000

Type	Width	Qty	Order No.
IAP 1.5N/DK	2 mm	50	1792520000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

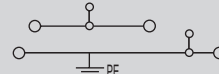
IDK 1.5N DU-PE

1.5 mm²

Double-level terminal (DU-PE)



5.1 x 100 x 54
17.5 / 1.5
0.21...1.5



IEC 60947-7-1 / IEC 60352-4, IEC 60947-7-2 / IEC 60352-4		
IEC	UL	CSA
1.5	AWG 24...16	AWG 24...16
500		
6		
	3	
	V-0	
		KEMA 02ATEX2241 U
Rated connection		
0.21...1.5		
0.21...1.5		
0.6 x 3.5 mm		
Conductor < 0.5mm²/AWG 24 with IRH 1.5		

Type	Qty	Order No.
IDK 1.5N DU-PE	50	1881610000

Type	Width	Qty	Order No.
IAP 1.5N/DK	2 mm	50	1792520000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY		1	9006020000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000

Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

Test-disconnect terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Blade size	
Note	

Ordering data

Version	
	Dark beige Wemid
	Blue Wemid
	Without isolator, Dark beige Wemid
Note	

Accessories

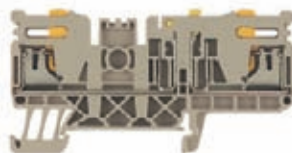
Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / partition	
	Dark beige Wemid
	Blue Wemid
End bracket	
	Dark beige Wemid
Screwdriver	
	Standard
Holder for cartridge fuse, 5 x 20mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max, 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	
	yellow Wemid

Marking systems	
	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

ITR 1.5N

1.5 mm²

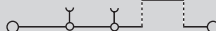
2 connections



5.1 x 78.5 x 46.5

16 / 1.5

0.21...1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA
400	300	300
16	10	10
1.5	AWG 24...16	AWG 24...16
6 / 3		
V-0		



Rated connection

0.21...1.5

0.21...1.5

0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty	Order No.
ITR 1.5N	100	1792630000
ITR 1.5N BL	100	1792670000
ITR 1.5N O.TNHE	100	1814160000

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000

		Width
IAP 1.5N/3AN	2 mm	50
IAP 1.5N/3AN BL	2 mm	50

WEW 35/2	8 mm	100
----------	------	-----

SD 0.6x3.5x100	1
----------------	---

SIHA 3/G20	6 mm	25
SIHA 3/G20/LD 10-36V	6 mm	25
SIHA 3/G20/LD 140-250V	6 mm	25

BEST	5.1 mm	50
BEST/DRBR	5.1 mm	50
BEST/D	5.1 mm	50

TNST	50
------	----

WS 10/5

ITR 1.5N/3AN

1.5 mm²

3 connections



5.1 x 93.5 x 46.5

/ 1.5

0.21...1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA
400	300	300
16	10	10
1.5	AWG 24...16	AWG 24...16
6 / 3		
V-0		



Rated connection

0.21...1.5

0.21...1.5

0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty	Order No.
ITR 1.5N/3AN	100	1812510000
ITR 1.5N/3AN BL	100	1812520000

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000

		Width
IAP 1.5N/4AN	2 mm	50
IAP 1.5N/4AN BL	2 mm	50

WEW 35/2	8 mm	100
----------	------	-----

SD 0.6x3.5x100	1
----------------	---

SIHA 3/G20	6 mm	25
SIHA 3/G20/LD 10-36V	6 mm	25
SIHA 3/G20/LD 140-250V	6 mm	25

BEST	5.1 mm	50
BEST/DRBR	5.1 mm	50
BEST/D	5.1 mm	50

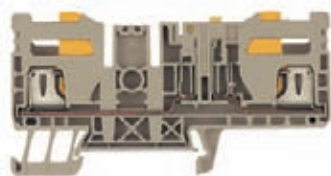
TNST	50
------	----

WS 10/5
To cross-connect to other IDC2 terminals use QVAR1 (see „Accessories“)

ITR 2.5N

2.5 mm²

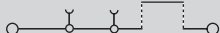
2 connections



6.1 x 88.5 x 49.5

/ 2.5

0.5...2.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA
400	300	300
18	10	10
2.5	AWG 20...14	AWG 20...14
6 / 3		
V-0		

Rated connection

0.5...2.5

0.5...2.5

0.6 x 3.5 mm

Type	Qty	Order No.
ITR 2.5N	100	1812990000
ITR 2.5N BL	100	1813000000
ITR 2.5N O.TNHE	100	1820500000

Type	current	Qty	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/3 GE	32 A	60	1608960000
ZQV 4/4 GE	32 A	60	1608970000
ZQV 4/10 GE	32 A	20	1609030000
Width			
IAP 2.5N/3AN	2 mm	50	1813040000
IAP 2.5N/3AN BL	2 mm	50	1813050000
WEW 35/2	8 mm	100	1061200000
SD 0.6x3.5x100		1	9008330000
SIHA 3/G20	6 mm	25	7921560000
SIHA 3/G20/LD 10-36V	6 mm	25	7921570000
SIHA 3/G20/LD 140-250V	6 mm	25	7921600000
BEST	5.1 mm	50	1833100000
BEST/DRBR	5.1 mm	50	1878570000
BEST/D	5.1 mm	50	1878560000

WS 10/6

Fuse terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Blade size	

Note

Ordering data

Version	
	400 V AC/DC, without LED
Note	

Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / partition	
	Dark beige Wemid
	Blue Wemid
Screwdriver	
	with „swifty set“ cutting device
	Standard
G-fuse cartridge, 5 x 20mm (IEC 60127-2)	
	0,25 A fast
	0,50 A fast
	1,00 A fast
	2,00 A fast

Marking systems (see assortment in catalogue 7)

Marking tags

For detailed information on other accessories and applications, refer to the „Accessories“ section

ITR 1.5N/SI

1.5 mm²

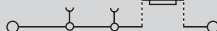
2 connections



5.1 x 78.5 x 88.5

17.5 / 1.5

0.21...1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA
250	300	300
6.3	6.3	6.3
1.5	AWG 24...16	AWG 24...16
	6 / 3	
	V-0	

Rated connection

0.21...1.5

0.21...1.5

0.6 x 3.5 mm

Conductor < 0.5mm² / AWG 24 with IRH 1.5; Max. power loss from cartridge fuse (1.6W) limits the rated current of the terminal.

Type	Qty	Order No.
ITR 1.5N SI	25	1792640000

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
Width			
IAP 1.5N/3AN	2 mm	50	1792450000
IAP 1.5N/3AN BL	2 mm	50	1792460000
SWIFTY SET			
SD 0.6x3.5x100		1	9008330000
G 20/0.25A/F			
		10	0430500000
G 20/0.50A/F			
		10	0430600000
G 20/1.00A/F			
		10	0430700000
G 20/2.00A/F			
		10	0430900000

WS 10/5

ITR 1.5N/3AN/SI

1.5 mm²

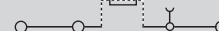
3 connections



5.1 x 93.5 x 88.8

/ 1.5

0.21...1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA
250	300	300
6.3	6.3	6.3
1.5	AWG 24...16	AWG 24...16
	6 / 3	
	V-0	

Rated connection

0.21...1.5

0.21...1.5

0.6 x 3.5 mm

Conductor < 0.5mm² / AWG 24 with IRH 1.5; Max. power loss from cartridge fuse (1.6W) limits the rated current of the terminal.

Type	Qty	Order No.
ITR 1.5N/3AN SI	25	1820390000

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
Width			
IAP 1.5N/4AN	2 mm	50	1792470000
IAP 1.5N/4AN BL	2 mm	50	1792480000
SWIFTY SET			
SD 0.6x3.5x100		1	9008330000
G 20/0.25A/F			
		10	0430500000
G 20/0.50A/F			
		10	0430600000
G 20/1.00A/F			
		10	0430700000
G 20/2.00A/F			
		10	0430900000

WS 10/5

To cross-connect to other IDC2 terminals use QVAR1 (see „Accessories“)

ITR 2.5N/SI

2.5 mm²

2 connections



6.1 x 88.5 x 92.5

/ 2.5

0.21...2.5

IEC 60947-7-1 / IEC 60352-4		
IEC	UL	CSA
250	300	300
6.3	6.3	6.3
2.5	AWG 20...14	AWG 20...14
/ 3		
V-0		
Rated connection		
0.5...2.5		
0.5...2.5		
0.6 x 3.5 mm		

Type	Qty	Order No.
ITR 2.5N SI	25	1813010000
Max. power loss (1.6 W) at the cartridge fuse limits the rated current.		

Type	current	Qty	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/3 GE	32 A	60	1608960000
ZQV 4/4 GE	32 A	60	1608970000
ZQV 4/10 GE	32 A	20	1609030000
Width			
IAP 2.5N	2 mm	50	1813020000
IAP 2.5N BL	2 mm	50	1813030000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000

WS 10/6

Hybrid modular terminals

Feed-through terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Tightening torque range (clamping screw)	
Stripping length / Blade size	mm/-
Note	

Ordering data

Version	
	Dark beige Wemid
	Blue Wemid
Note	

Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End plate / partition	
	Dark beige Wemid
	Blue Wemid
End bracket	
	Dark beige Wemid
Test adapter	
	Standard
	With assembly peg
Screwdriver	
	with „swiftly set“ cutting device
	Standard
Reducing sleeves	
	For conductors < 0,5 mm ² / AWG 20
	For conductors < 1,0 mm ² / AWG 18
Cover	
	With lightning flash symbol
	blank
Marking systems	
	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

IDU 1.5N/ZF

1.5 mm²

Hybrid tension clamp / IDC



5.1 x 59.5 x 40.5	ZF	IDC
/ 1.5		
0.21...1.5		

IEC 60947-7-1 / IEC 60352-4		Ex e II	 II 2 G D
IEC	UL	CSA	EN 60079-7
500	300	300	275
17.5	10	10	15
1.5	AWG 24...16	AWG 24...16	1.5
6 / 3			
V-0			
    		KEMA 02ATEX2241 U	
Rated connection		Further connection	
0.21...1.5		0.5...4	
0.21...1.5		0.5...4 / 0.5...2.5	
/ 0.6 x 3.5 mm		10 / 0.6 x 3.5 mm	
Conductor < 0.5mm² / AWG 24 with IRH 1.5			
Continuous current of cross-connection: 32A (to power supply)			

Type	Qty	Order No.
IDU 1.5N/ZF	100	1792700000
IDU 1.5N/ZF BL	100	1792710000

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N	2 mm	50	1792430000
IAP 1.5N BL	2 mm	50	1792440000
Width			
WEW 35/2	8 mm	100	1061200000
Width			
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
Width			
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
Width			
IRH 1.5		100	1804510000
Width			
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

Marking systems		
		WS 10/5

IDU 1.5N/ZF/3AN

1.5 mm²

Hybrid tension clamp / IDC



5.1 x 78.5 x 40.5	ZF	IDC	IDC
/ 1.5			
0.21...1.5			

IEC 60947-7-1 / IEC 60352-4		Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7	
500	300	300	275	
17.5	10	10		
1.5	AWG 24...16	AWG 24...16	1.5	
6 / 3				
V-0				
  		KEMA 02ATEX2241 U		
Rated connection		Further connection		
0.21...1.5		0.5...4		
0.21...1.5		0.5...4 / 0.5...2.5		
/ 0.6 x 3.5 mm		10 / 0.6 x 3.5 mm		
Conductor < 0.5mm² / AWG 24 with IRH 1.5				
Continuous current of cross-connection: 32A (to power supply)				

Type	Qty	Order No.
IDU 1.5N/3AN/ZF	100	1806150000
IDU 1.5N/3AN/ZF BL	100	1819470000

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N/3AN	2 mm	50	1792450000
IAP 1.5N/3AN BL	2 mm	50	1792460000
Width			
WEW 35/2	8 mm	100	1061200000
Width			
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
Width			
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
Width			
IRH 1.5		100	1804510000
Width			
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

Marking systems		
		WS 10/5

IDU 1.5N/ZB

1.5 mm²

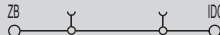
Hybrid clamping yoke / IDC



5.1 x 59.5 x 40.5

/ 1.5

0.21...1.5



IEC 60947-7-1 / IEC 60352-4 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
17.5	10	10	15
1.5	AWG 24...16	AWG 24...16	1.5
6 / 3			
V-0			

KEMA 02ATEX2241 U

Rated connection	Further connection
0.21...1.5	0.5...4
0.21...1.5	0.5...4 / 0.5...2.5
	0.4...0.6 Nm
/ 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

Conductor < 0.5mm² / AWG 24 with IRH 1.5
Continuous current of cross-connection: 32A (to power supply)

Type	Qty	Order No.
IDU 1.5N/ZB	100	1792730000
IDU 1.5N/ZB BL	100	1792740000

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N	2 mm	50	1792430000
IAP 1.5N BL	2 mm	50	1792440000
WEW 35/2			
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET			
SD 0.6x3.5x100		1	9008330000
IRH 1.5			
		100	1804510000
IAD 1/4 GE MIT BLITZ			
	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

WS 10/5

IDU 1.5N/ZB/3AN

1.5 mm²

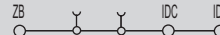
Hybrid clamping yoke / IDC



5.1 x 78.5 x 40.5

/ 1.5

0.21...1.5



IEC 60947-7-1 / IEC 60352-4 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
17.5	10	10	15
1.5	AWG 24...16	AWG 24...16	1.5
6 / 3			
V-0			

KEMA 02ATEX2241 U

Rated connection	Further connection
0.21...1.5	0.5...4
0.21...1.5	0.5...4 / 0.5...2.5
	0.4...0.6 Nm
/ 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

Conductor < 0.5mm² / AWG 24 with IRH 1.5
Continuous current of cross-connection: 32A (to power supply)

Type	Qty	Order No.
IDU 1.5N/3AN/ZB	100	1806170000
IDU 1.5N/3AN/ZB BL	100	1819480000

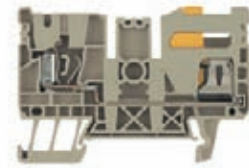
Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N/3AN	2 mm	50	1792450000
IAP 1.5N/3AN BL	2 mm	50	1792460000
WEW 35/2			
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET			
SD 0.6x3.5x100		1	9008330000
IRH 1.5			
		100	1804510000
IAD 1/4 GE MIT BLITZ			
	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

WS 10/5

IDU 2.5N/ZF

2.5 mm²

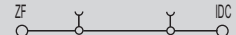
Hybrid tension clamp / IDC



6.1 x 67 x 45.6

/ 2.5

0.5...2.5



IEC 60947-7-1 / IEC 60352-4 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	15	15	21
2.5	AWG 20...14	AWG 20...14	2.5
8 / 3			
V-0			

DEMKO 03ATEX134054U

Rated connection	Further connection
0.5...2.5	0.5...6
0.5...2.5	0.5...6 / 0.5...4
/ 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

Type	Qty	Order No.
IDU 2.5N/ZF	100	1821260000
IDU 2.5N/ZF BL	100	1821270000

Type	current	Qty	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/3 GE	32 A	60	1608960000
ZQV 4/4 GE	32 A	60	1608970000
ZQV 4/10 GE	32 A	20	1609030000
ZQV 4/20 GE	32 A	20	1909010000
Width			
IAP 2.5N	2 mm	50	1813020000
IAP 2.5N BL	2 mm	50	1813030000
WEW 35/2			
ITA 2	6.1 mm	25	1821210000
ITA 2/ZA	6.1 mm	25	1821220000
SWIFTY SET			
SD 0.6x3.5x100		1	9008330000
IRH 2.5			
		100	1848230000
IAD 2/4 GE MIT BLITZ			
		20	1828420000
IAD 2/4 GE NEUTRAL		20	1828430000

WS 10/6

Hybrid modular terminals

Feed-through terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Tightening torque range (clamping screw)	
Stripping length / Blade size	mm/-
Note	

Ordering data

Version	
	Dark beige Wemid
	Blue Wemid
Note	

Accessories

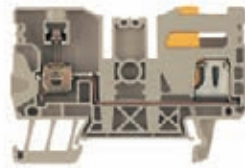
Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End plate / partition	
	Dark beige Wemid
	Blue Wemid
End bracket	
	Dark beige Wemid
Test adapter	
	Standard
	With assembly peg
Screwdriver	
	with „swiftly set“ cutting device
	Standard
Reducing sleeves	
	For conductors < 0,5 mm ² / AWG 20
	For conductors < 1,0 mm ² / AWG 18
Cover	
	With lightning flash symbol
	blank

Marking systems	
	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

IDU 2.5N/ZB

2.5 mm²

Hybrid clamping yoke / IDC



6.1 x 67 x 45.6	ZB	IDC
/ 2.5		
0.5...2.5		

IEC 60947-7-1 / IEC 60352-4			
IEC	UL	CSA	EN 60079-7
800	600	600	550
24	15	15	21
2.5	AWG 20...14	AWG 20...14	2.5
8 / 3			
V-0			
DEMKO 03ATEX134054U			
Rated connection		Further connection	
0.5...2.5		0.5...6	
0.5...2.5		0.5...6 / 0.5...4	
		0.5...0.8 Nm	
/ 0.6 x 3.5 mm		13 / 0.6 x 3.5 mm	

Type	Qty	Order No.
IDU 2.5N/ZB	100	1821290000
IDU 2.5N/ZB BL	100	1821300000

Type	current	Qty	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/3 GE	32 A	60	1608960000
ZQV 4/4 GE	32 A	60	1608970000
ZQV 4/10 GE	32 A	20	1609030000
ZQV 4/20 GE	32 A	20	1909010000
Width			
IAP 2.5N	2 mm	50	1813020000
IAP 2.5N BL	2 mm	50	1813030000
WEW 35/2			
	8 mm	100	1061200000
ITA 2			
	6.1 mm	25	1821210000
ITA 2/ZA			
	6.1 mm	25	1821220000
SWIFTY SET			
		1	9006060000
SD 0.6x3.5x100			
		1	9008330000
IRH 2.5			
		100	1848230000
IAD 2/4 GE MIT BLITZ			
		20	1828420000
IAD 2/4 GE NEUTRAL			
		20	1828430000

WS 10/6		
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IDU 2.5N/3AN/ZB

2.5 mm²

Hybrid clamping yoke / IDC



6.1 x 88.5 x 45.6	ZB	IDC	IDC
/ 2.5			
0.5...2.5			

IEC 60947-7-1 / IEC 60352-4			
IEC	UL	CSA	EN 60079-7
800	600	600	550
24	15	15	21
2.5	AWG 20...14	AWG 20...14	2.5
8 / 3			
V-0			
DEMKO 03ATEX134054U			
Rated connection		Further connection	
0.5...2.5		0.5...6	
0.5...2.5		0.5...6 / 0.5...4	
		0.5...0.8 Nm	
/ 0.6 x 3.5 mm		13 / 0.6 x 3.5 mm	

Type	Qty	Order No.
IDU 2.5N/3AN/ZB	100	1848300000
IDU 2.5N/3AN/ZB BL	100	1848310000

Type	current	Qty	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/3 GE	32 A	60	1608960000
ZQV 4/4 GE	32 A	60	1608970000
ZQV 4/10 GE	32 A	20	1609030000
ZQV 4/20 GE	32 A	20	1909010000
Width			
IAP 2.5N/3AN	2 mm	50	1813040000
IAP 2.5N/3AN BL	2 mm	50	1813050000
WEW 35/2			
	8 mm	100	1061200000
ITA 2			
	6.1 mm	25	1821210000
ITA 2/ZA			
	6.1 mm	25	1821220000
SWIFTY SET			
		1	9006060000
SD 0.6x3.5x100			
		1	9008330000
IRH 2.5			
		100	1848230000
IAD 2/4 GE MIT BLITZ			
		20	1828420000
IAD 2/4 GE NEUTRAL			
		20	1828430000

WS 10/6		
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Modular PE terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated cross-section	mm ²
Rated voltage to adjacent terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Pollution severity	
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Tightening torque range (clamping screw)	
Stripping length / Blade size	mm/-
Note	

Ordering data

Version	
	green/yellow Wemid
Note	

Accessories

End plate / partition	
	Dark beige Wemid
End bracket	
	Dark beige Wemid
Test adapter	
	Standard
	With assembly peg
Screwdriver	
	with „swifty set“ cutting device
	Standard
Reducing sleeves	
	For conductors < 0,5 mm ² / AWG 20
	For conductors < 1,0 mm ² / AWG 18
Cover	
	With lightning flash symbol
	blank



Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

IPE 1.5N/ZF

1.5 mm²

Hybrid tension clamp / IDC



5.1 x 59.5 x 40.5	ZF	IDC
/ 1.5		PE
0.21...1.5		

IEC 60947-7-2 / IEC 60352-4		Ex e II	 II 2 G D
IEC	UL	CSA	EN 60079-7
1.5	AWG 24...16	AWG 24...16	1.5
500			
6			
	3		
	V-0		
KEMA 02ATEX2241 U			
Rated connection		Further connection	
0.21...1.5		0.5...4	
0.21...1.5		0.5...4 / 0.5...2.5	
/ 0.6 x 3.5 mm		10 / 0.6 x 3.5 mm	
Conductor < 0.5 mm ² / AWG 24 with IRH 1.5			

Type	Qty	Order No.
IPE 1.5N/ZF	100	1792720000

Type	Width	Qty	Order No.
IAP 1.5N	2 mm	50	1792430000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

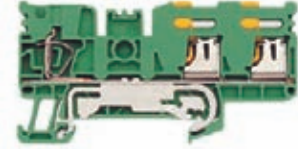
Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

WS 10/5

IPE 1.5N/ZF/3AN

1.5 mm²

Hybrid tension clamp / IDC



5.1 x 78.5 x 40.5	ZF	IDC	IDC
/ 1.5		PE	
0.21...1.5			

IEC 60947-7-2 / IEC 60352-4		Ex e II	II 2 G D
IEC	UL	CSA	EN 60079-7
1.5	AWG 24...16	AWG 24...16	1.5
500			
6			
	3		
	V-0		
  		KEMA 02ATEX2241 U	
Rated connection		Further connection	
0.21...1.5		0.5...4	
0.21...1.5		0.5...4 / 0.5...2.5	
/ 0.6 x 3.5 mm		10 / 0.6 x 3.5 mm	
Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

Type	Qty	Order No.
IPE 1.5N/3AN/ZF	100	1806140000

Type	Width	Qty	Order No.
IAP 1.5N/3AN	2 mm	50	1792450000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

WS 10/5

Hybrid modular terminals

Modular PE terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated cross-section	mm ²
Rated voltage to adjacent terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Pollution severity	
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Tightening torque range (clamping screw)	
Stripping length / Blade size	mm/-
Note	

Ordering data

Version	
	green/yellow Wemid
Note	

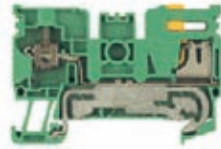
Accessories

End plate / partition	
	Dark beige Wemid
End bracket	
	Dark beige Wemid
Test adapter	
	Standard
	With assembly peg
Screwdriver	
	with „swifty set“ cutting device
	Standard
Reducing sleeves	
	For conductors < 0,5 mm ² / AWG 20
	For conductors < 1,0 mm ² / AWG 18
Cover	
	With lightning flash symbol
	blank

IPE 1.5N/ZB

1.5 mm²

Hybrid clamping yoke / IDC



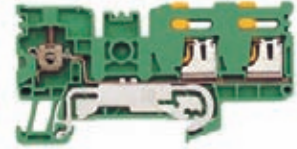
5.1 x 59.5 x 40.5	ZB	IDC
/ 1.5		PE
0.21...1.5		

IEC 60947-7-2 / IEC 60352-4			Ex e II	 II 2 G D
IEC	UL	CSA	EN 60079-7	
1.5	AWG 24...16	AWG 24...16	1.5	
500				
6				
		3		
		V-0		
     		KEMA 02ATEX2241 U		
Rated connection		Further connection		
0.21...1.5		0.5...4		
0.21...1.5		0.5...4 / 0.5...2.5		
		0.4...0.6 Nm		
/ 0.6 x 3.5 mm		10 / 0.6 x 3.5 mm		
Conductor < 0.5 mm ² / AWG 24 with IRH 1.5				

IPE 1.5N/ZB/3AN

1.5 mm²

Hybrid clamping yoke / IDC



5.1 x 78.5 x 40.5	ZB	IDC	IDC
/ 1.5		PE	
0.21...1.5			

IEC 60947-7-2 / IEC 60352-4			Ex e II	 II 2 G D
IEC	UL	CSA	EN 60079-7	
1.5	AWG 24...16	AWG 24...16	1.5	
500				
6				
		3		
		V-0		
  			KEMA 02ATEX2241 U	
Rated connection		Further connection		
0.21...1.5		0.5...4		
0.21...1.5		0.5...4 / 0.5...2.5		
		0.4...0.6 Nm		
/ 0.6 x 3.5 mm		10 / 0.6 x 3.5 mm		
Conductor < 0.5 mm² / AWG 24 with IRH 1.5				

Type	Qty	Order No.
IPE 1.5N/3AN/ZB	100	1806160000

Type	Qty	Order No.
IPE 1.5N/ZB	100	1792750000

Type	Width	Qty	Order No.
IAP 1.5N/3AN	2 mm	50	1792450000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

Type	Width	Qty	Order No.
IAP 1.5N	2 mm	50	1792430000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000
IAD 1/4 GE Neutral		20	1818420000

Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

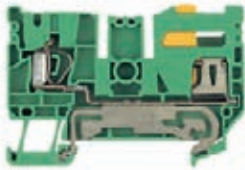
Marking systems	
	WS 10/5

Marking systems	
	WS 10/5

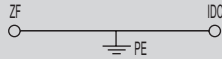
IPE 2.5N/ZF

2.5 mm²

Hybrid tension clamp / IDC



6.1 x 67 x 45.6

/ 2.5
0.5...2.5

IEC 60947-7-2 / IEC 60352-4 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 20...14	AWG 20...14	2.5
800			
8			
	3		
	V-0		

DEMCO 03ATEX134054U

Rated connection	Further connection
0.5...2.5	0.5...6
0.5...2.5	0.5...6 / 0.5...4
/ 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

Type	Qty	Order No.
IPE 2.5N/ZF	100	1821280000

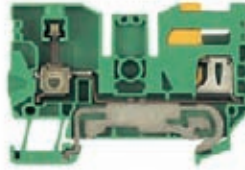
Type	Width	Qty	Order No.
IAP 2.5N	2 mm	50	1813020000
WEW 35/2	8 mm	100	1061200000
ITA 2	6.1 mm	25	1821210000
ITA 2/ZA	6.1 mm	25	1821220000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000
IAD 2/4 GE MIT BLITZ		20	1828420000
IAD 2/4 GE NEUTRAL		20	1828430000

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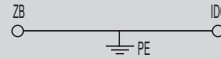
IPE 2.5N/ZB

2.5 mm²

Hybrid clamping yoke / IDC



6.1 x 67 x 45.6

/ 2.5
0.5...2.5

IEC 60947-7-2 / IEC 60352-4 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 20...14	AWG 20...14	2.5
800			
8			
	3		
	V-0		

DEMCO 03ATEX134054U

Rated connection	Further connection
0.5...2.5	0.5...6
0.5...2.5	0.5...6 / 0.5...4
/ 0.6 x 3.5 mm	0.5...0.8 Nm (M 3)
	13 / 0.6 x 3.5 mm

Type	Qty	Order No.
IPE 2.5N/ZB	100	1821310000

Type	Width	Qty	Order No.
IAP 2.5N	2 mm	50	1813020000
WEW 35/2	8 mm	100	1061200000
ITA 2	6.1 mm	25	1821210000
ITA 2/ZA	6.1 mm	25	1821220000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000
IAD 2/4 GE MIT BLITZ		20	1828420000
IAD 2/4 GE NEUTRAL		20	1828430000

WS 10/6

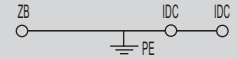
IPE 2.5N/3AN/ZB

2.5 mm²

Hybrid clamping yoke / IDC



6.1 x 88.5 x 45.6

/ 2.5
0.5...2.5

IEC 60947-7-2 / IEC 60352-4

IEC	UL	CSA
2.5	AWG 20...14	AWG 20...14
800		
8		
	3	
	V-0	

DEMCO 03ATEX134054U

Rated connection	Further connection
0.5...2.5	0.5...6
0.5...2.5	0.5...6 / 0.5...4
/ 0.6 x 3.5 mm	0.5...0.8 Nm
	13 / 0.6 x 3.5 mm

Type	Qty	Order No.
IPE 2.5N/3AN/ZB	100	1848320000

Type	Width	Qty	Order No.
IAP 2.5N/3AN	2 mm	50	1813040000
WEW 35/2	8 mm	100	1061200000
ITA 2	6.1 mm	25	1821210000
ITA 2/ZA	6.1 mm	25	1821220000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 2.5		100	1848230000

WS 10/6

Hybrid modular terminals

Two-tier modular terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Tightening torque range (clamping screw)	
Stripping length / Blade size	mm/-
Note	

Ordering data

Version	
	Dark beige Wemid
	Blue Wemid
Note	

Accessories

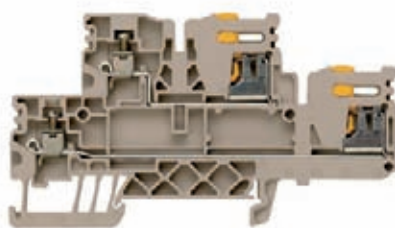
Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End plate / partition	
	Dark beige Wemid
	Blue Wemid
End bracket	
	Dark beige Wemid
Test adapter	
	Standard
	With assembly peg
Screwdriver	
	with „swiftly set“ cutting device
	Standard
Reducing sleeves	
	For conductors < 0,5 mm ² / AWG 20
Cover	
	With lightning flash symbol

Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

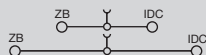
IDK 1.5N/ZB

1.5 mm²

Hybrid clamping yoke / IDC



5.1 x 96 x
/ 1.5
0.21...1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA
500	300	300
17.5	10	10
1.5	AWG 24...16	AWG 24...16
	6 / 3	
	V-0	
Rated connection		Further connection
0.21...1.5		0.5...4
0.21...1.5		0.5...4 / 0.5...2.5
		0.4...0.6 Nm
/ 0.6 x 3.5 mm		10 / 0.6 x 3.5 mm
Conductor < 0.5 mm ² / AWG 24 with IRH 1.5		

Type	Qty	Order No.
IDK 1.5N/ZB	50	1891950000
IDK 1.5N/ZB BL	50	1896720000
PE terminal IDK 1.5N/ZB PE: 1891970000; 4 connections at one potential with IDK 1.5N/ZB V: 1891960000;		

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N/DK-ZB	2 mm	50	1896710000
IAP 1.5N/DK-ZB BL	2 mm	50	1896730000
WEW 35/2	8 mm	100	1061200000
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000
IRH 1.5		100	1804510000
IAD 1/4 GE MIT BLITZ	24.3 mm	20	1805500000

Pluggable standard terminal featuring IDC technology

Profit from the amazing benefits of IDC2 technology

quick – secure – compact

in combination with a pluggable standard terminal.

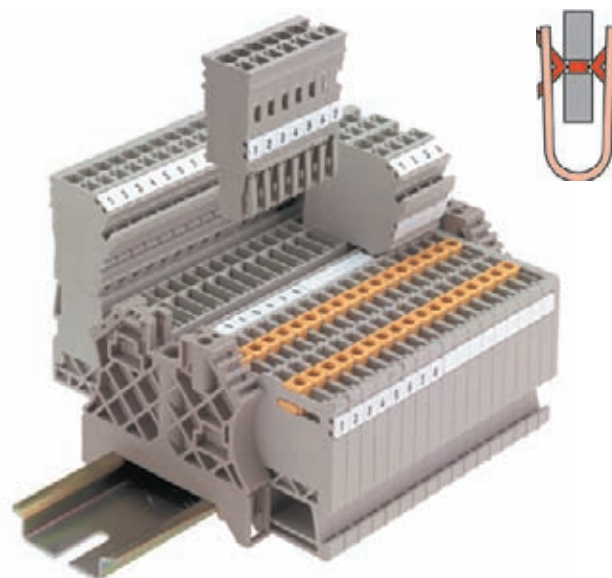
C

The basic principle is beautifully simple:

One terminal strip for the function unit, one plug-in connector for cable harness assembly. During final assembly, the two units just have to be slotted into each other – like plug-in connectors. And that's all there is to it!

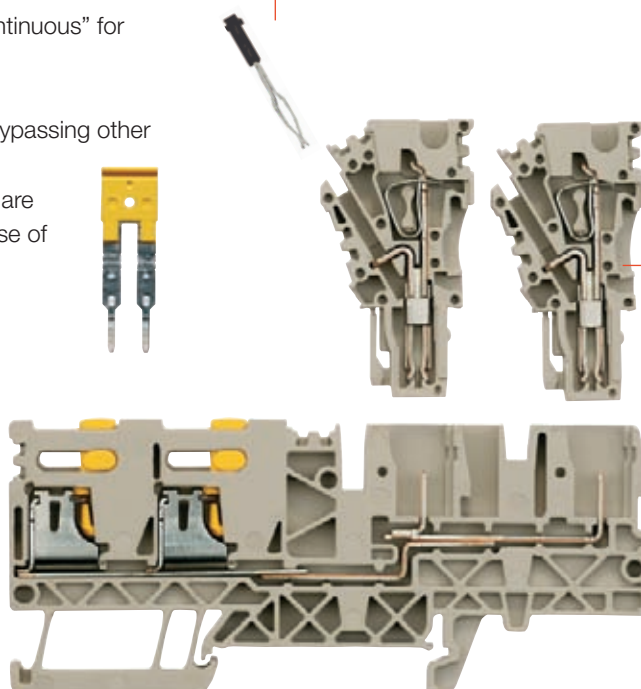
You'll soon be convinced by the benefits of this technology:

Quick assembly of functional units which can be fully tested in the factory, quickly and easily replaced or reassemble on site.



Plug-in cross-connections

- 2 to 10 pole or “continuous” for individual assembly
- Full rated current
- Break-off pole for bypassing other potentials
- Plug-in connectors are also designed for use of cross-connections



Push-on connection

The tensioned steel contact ensures galvanic isolation.

- High contact strength with highly conductive properties

You can find a large selection of plug-in connectors in the “Accessories” chapter.



Secure fixing

All plug-in units can be locked securely to the terminal strip by means of separate locking elements.



Contact reliability

- Maintenance-free connection
- Gas-tight contact area
- 100 % vibration-resistant

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
max. voltage of pluggable system	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Blade size	

Note

Ordering data

Base terminal	
	Dark beige Wemid
Plug-in connector	
	1-pole
	2-pole
	3-pole
	4-pole
	5-pole
	6-pole
	8-pole
	10-pole
Note	

Accessories

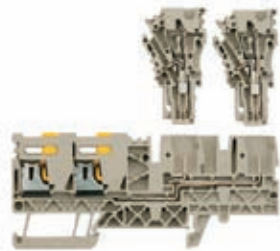
Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End plate / partition	
	Dark beige Wemid
Test adapter	
	Standard
	With assembly peg
Miscellaneous accessories, WeiCoS	
	Locking element
	Coding element
	Strain relief
Screwdriver	
	with „swifty set“ cutting device
	Standard

Marking systems

(see assortment in catalogue 7)
Marking tags

For detailed information on other accessories and applications, refer to the „Accessories“ section

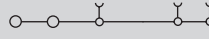
IT 1.5N/4AN/2

1.5 mm²

5.1 x 93.5 x 40.7

/ 1.5

0.21...1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA
500	300	300
690		
17.5	10	10
1.5	AWG 24...16	AWG 24...16
	6 / 3	
	V-0	



Rated connection

0.21...1.5	0.5...4
0.21...1.5	0.5...4 / 0.5...2.5
0.6 x 3.5 mm	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

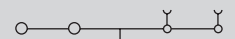
ITPE 1.5N/4AN/2

1.5 mm²

5.1 x 93.5 x 41.5

/ 1.5

0.21...1.5



IEC 60947-7-2 / IEC 60352-4

IEC	UL	CSA
500	300	300
1.5	AWG 24...16	AWG 24...16
	6 / 3	
	V-0	



Rated connection

0.21...1.5	0.5...4
0.21...1.5	0.5...4 / 0.5...2.5
0.6 x 3.5 mm	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty	Order No.
IT 1.5N/4AN/2	50	1837250000
Type	Qty	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/10	20	1815280000

Type	Qty	Order No.
ITPE 1.5N/4AN/2	50	1837260000
Type	Qty	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/10	20	1815280000

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP/TW IT 1.5N/4AN	2 mm	50	1837270000
Width			
ITA 1	5.1 mm	25	1803800000
ITA 1/ZA	5.1 mm	25	1803810000
Width			
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
Width			
SWIFTY SET		1	9006060000
SD 0.6x3.5x100		1	9008330000

Type	Qty	Order No.
Width		
IAP/TW IT 1.5N/4AN	2 mm	50
		1837270000
Width		
ITA 1	5.1 mm	25
		1803800000
ITA 1/ZA	5.1 mm	25
		1803810000
Width		
ZVR ZP2.5		25
		1816130000
KOSF ZT2.5		50
		1816150000
ZZE ZP2.5		25
		1816140000
Width		
SWIFTY SET		1
		9006060000
SD 0.6x3.5x100		1
		9008330000

WS 10/5

The modular initiator/actuator system with integrated cross-connection – featuring advanced IDC technology

The principle

Two current bars in the individual terminal (or three with separate PE / earth function) are used to provide potentials. They are supplied via a supply terminal and the internal crossconnections. Two other current bars act as a feed-through terminal for forwarding signals.

The internal cross-connection

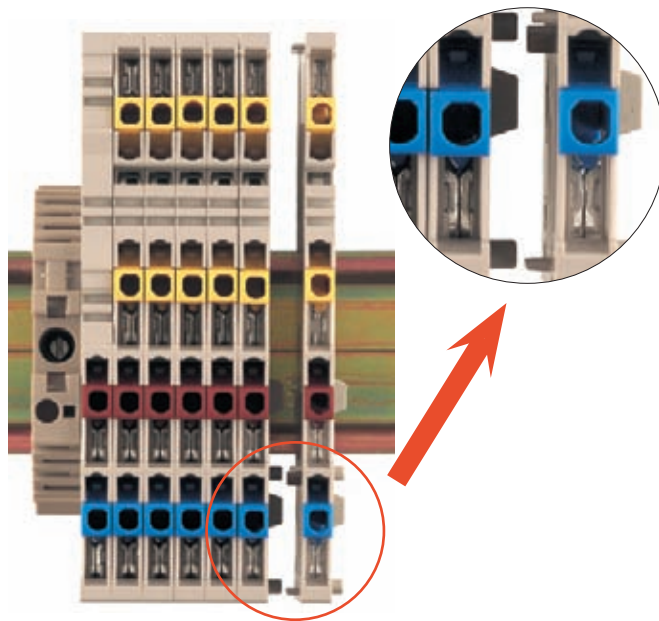
The cross-connections are already integrated within the individual terminals. The female contact is on one side of the terminal and the male contact on the other. The modular design means that variable terminal strips can be created for different applications.

The end plate

End plates enable additional marking of the rows.

The status indication

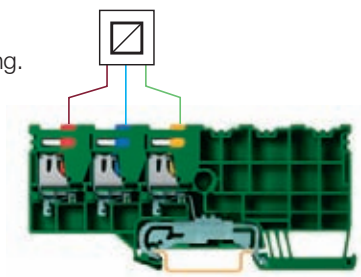
The signal status can be indicated directly at the terminal.



The alternative versions

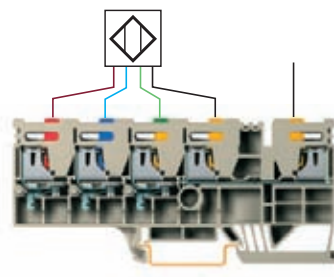
• Supply terminal

Supply made easy with additional options for marking.



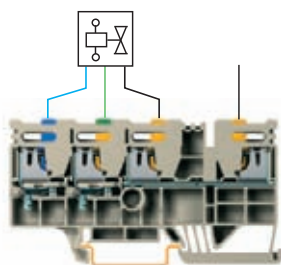
• Initiator terminal

Power supply and signal transmission in one terminal; available in a 3- or 4-conductor version.



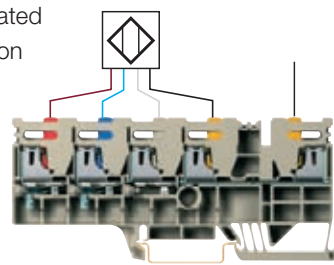
• Actuator terminal

Simple connection of actuators.



• Initiator terminal with parking position

For connecting 4L initiators:
The NCC/NOC currently not in use can be connected to the insulated contact, so that rewiring later on is no problem.



In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Blade size	
Note	

Ordering data

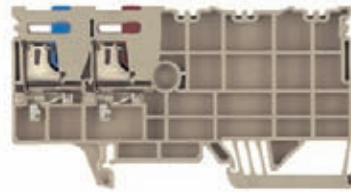
Version	Dark beige Wemid
Note	

Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End plate / partition	
	Dark beige Wemid
End bracket	
	Dark beige Wemid
Screwdriver	
	with „swifty set“ cutting device
	Standard
Reducing sleeves	
	For conductors < 0,5 mm ² / AWG 20

Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

IEK 1.5N 3L

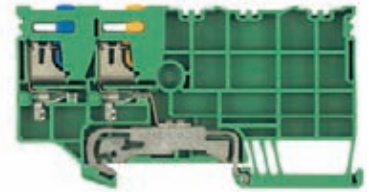
1.5 mm²

5.1 x 93 x 51		
/ 1.5	0	+
0.21...1.5		

IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA
250	300	300
17.5	10	10
1.5	AWG 24...16	AWG 24...16
	4 / 3	
	V-0	
Rated connection		
0.21...1.5		
0.21...1.5		
0.6 x 3.5 mm		
Note		
Conductor < 0.5 mm ² / AWG 24 with IRH 1.5		

IEK 1.5N 3L PE

1.5 mm²

5.1 x 93 x 51		
/ 1.5	0	PE
0.21...1.5		

IEC 60947-7-2 / IEC 60352-4

IEC	UL	CSA
250	300	300
17.5	10	10
1.5	AWG 24...16	AWG 24...16
	4 / 3	
	V-0	
Rated connection		
0.21...1.5		
0.21...1.5		
0.6 x 3.5 mm		
Note		
Conductor < 0.5 mm ² / AWG 24 with IRH 1.5		

Type	Qty	Order No.
IEK 1.5N 3L	25	1801790000

Type	Qty	Order No.
Width		
IAP 1.5N 3L	2 mm	20 1801770000
WEW 35/2	8 mm	100 1061200000
SWIFTY SET	1	9006060000
SD 0.6x3.5x100	1	9008330000
IRH 1.5	100	1804510000

Type	Qty	Order No.
IEK 1.5N 3L PE	25	1801800000

Type	Qty	Order No.
Width		
IAP 1.5N 3L	2 mm	20 1801770000
WEW 35/2	8 mm	100 1061200000
SWIFTY SET	1	9006060000
SD 0.6x3.5x100	1	9008330000
IRH 1.5	100	1804510000

Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

Initiator and actuator terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Blade size	
Note	

Ordering data

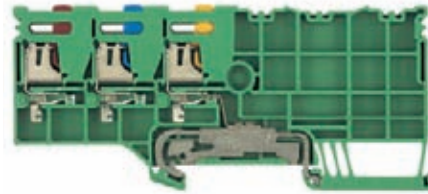
Version	Dark beige Wemid
Note	

Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End plate / partition	
	Dark beige Wemid
End bracket	
	Dark beige Wemid
Screwdriver	
	with „swiftly set“ cutting device
	Standard
Reducing sleeves	
	For conductors < 0,5 mm ² / AWG 20

Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

IEK 1.5N 4L PE

1.5 mm²

5.1 x 113 x 51	+	-	PE
/ 1.5	○	○	○
0.21...1.5			

IEC 60947-7-2 / IEC 60352-4

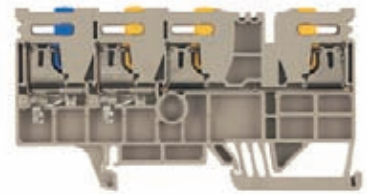
IEC	UL	CSA
250	300	300
17.5	10	10
1.5	AWG 24...16	AWG 24...16
	4 / 3	
	V-0	
Rated connection		
0.21...1.5		
0.21...1.5		
0.6 x 3.5 mm		
Note		
Conductor < 0.5 mm ² / AWG 24 with IRH 1.5		

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

Type	Qty	Order No.
Width		
IAP 1.5N 4L	2 mm	20 1801780000
WEW 35/2	8 mm	100 1061200000
SWIFTY SET	1	9006060000
SD 0.6x3.5x100	1	9008330000
IRH 1.5	100	1804510000

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IAK 1.5N 3L

1.5 mm²

5.1 x 93 x 51	-	PE	○
/ 1.5	○	○	○
0.21...1.5			

IEC 60947-7-1 / IEC 60352-4

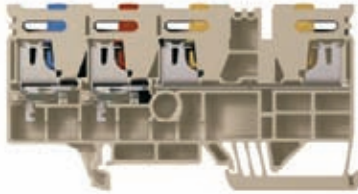
IEC	UL	CSA
250	300	300
17.5	10	10
1.5	AWG 24...16	AWG 24...16
	4 / 3	
	V-0	
Rated connection		
0.21...1.5		
0.21...1.5		
0.6 x 3.5 mm		
Note		
Conductor < 0.5 mm ² / AWG 24 with IRH 1.5		

Type	Qty	Order No.
IAK 1.5N 3L	50	1801820000
Base terminal with LED: IAK 1.5N 3L D: 1801830000		

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N 3L	2 mm	20	1801770000
WEW 35/2	8 mm	100	1061200000
SWIFTY SET	1	9006060000	
SD 0.6x3.5x100	1	9008330000	
IRH 1.5	100	1804510000	

WS 10/5

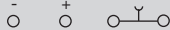
IIK 1.5N 3L

1.5 mm²

5.1 x 93 x 51

/ 1.5

0.21...1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA
250	300	300
17.5	10	10
1.5	AWG 24...16	AWG 24...16
4 / 3		
V-0		



Rated connection

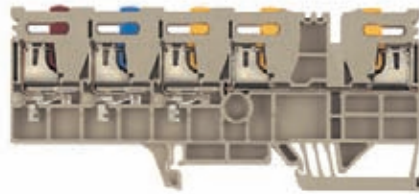
0.21...1.5

0.21...1.5

0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

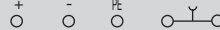
IIK 1.5N 4L

1.5 mm²

5.1 x 113 x 51

/ 1.5

0.21...1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA
250	300	300
17.5	10	10
1.5	AWG 24...16	AWG 24...16
4 / 3		
V-0		



Rated connection

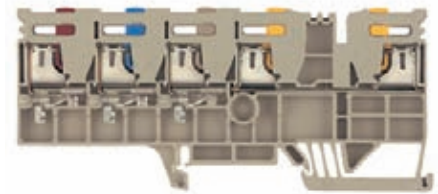
0.21...1.5

0.21...1.5

0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

IIK 1.5N 4L PA

1.5 mm²

5.1 x 113 x 51

/ 1.5

0.21...1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA
250	300	300
17.5	10	10
1.5	AWG 24...16	AWG 24...16
4 / 3		
V-0		



Rated connection

0.21...1.5

0.21...1.5

0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty	Order No.
IIK 1.5N 3L	50	1801840000
Base terminal with LED: IIK 1.5N 3L D/PNP 1801850000, IIK 1.5N 3L D/NPN 1801860000		

Type	Qty	Order No.
IIK 1.5N 4L	50	1801870000
Base terminal with LED: IIK 1.5N 4L D/PNP 1801880000, IIK 1.5N 4L D/NPN 1801890000		

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

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N 3L	2 mm	20	1801770000
WEW 35/2			
	8 mm	100	1061200000
SWIFTY SET			
	1		9006060000
SD 0.6x3.5x100	1		9008330000
IRH 1.5			
	100		1804510000

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N 4L	2 mm	20	1801780000
WEW 35/2			
	8 mm	100	1061200000
SWIFTY SET			
	1		9006060000
SD 0.6x3.5x100	1		9008330000
IRH 1.5			
	100		1804510000

Type	current	Qty	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
Width			
IAP 1.5N 4L	2 mm	20	1801780000
WEW 35/2			
	8 mm	100	1061200000
SWIFTY SET			
	1		9006060000
SD 0.6x3.5x100	1		9008330000
IRH 1.5			
	100		1804510000

WS 10/5

WS 10/5

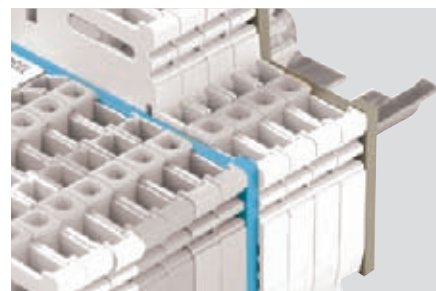
WS 10/5

Additional functions

Weidmüller offers users a full range of accessories for I-Series terminals, providing optimum solutions to every conceivable task – even outside the range of standard functions. All Weidmüller accessories are built to the same quality standards as the terminals themselves.

Visual separation

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End plates and partition plates have the function of guaranteeing “finger-touch safety” in terminal strips by preventing finger contact with any conducting parts. In addition, end plates and partition plates are also used for visual separation of circuits.

This visual separation can be enhanced by using coloured end plates.

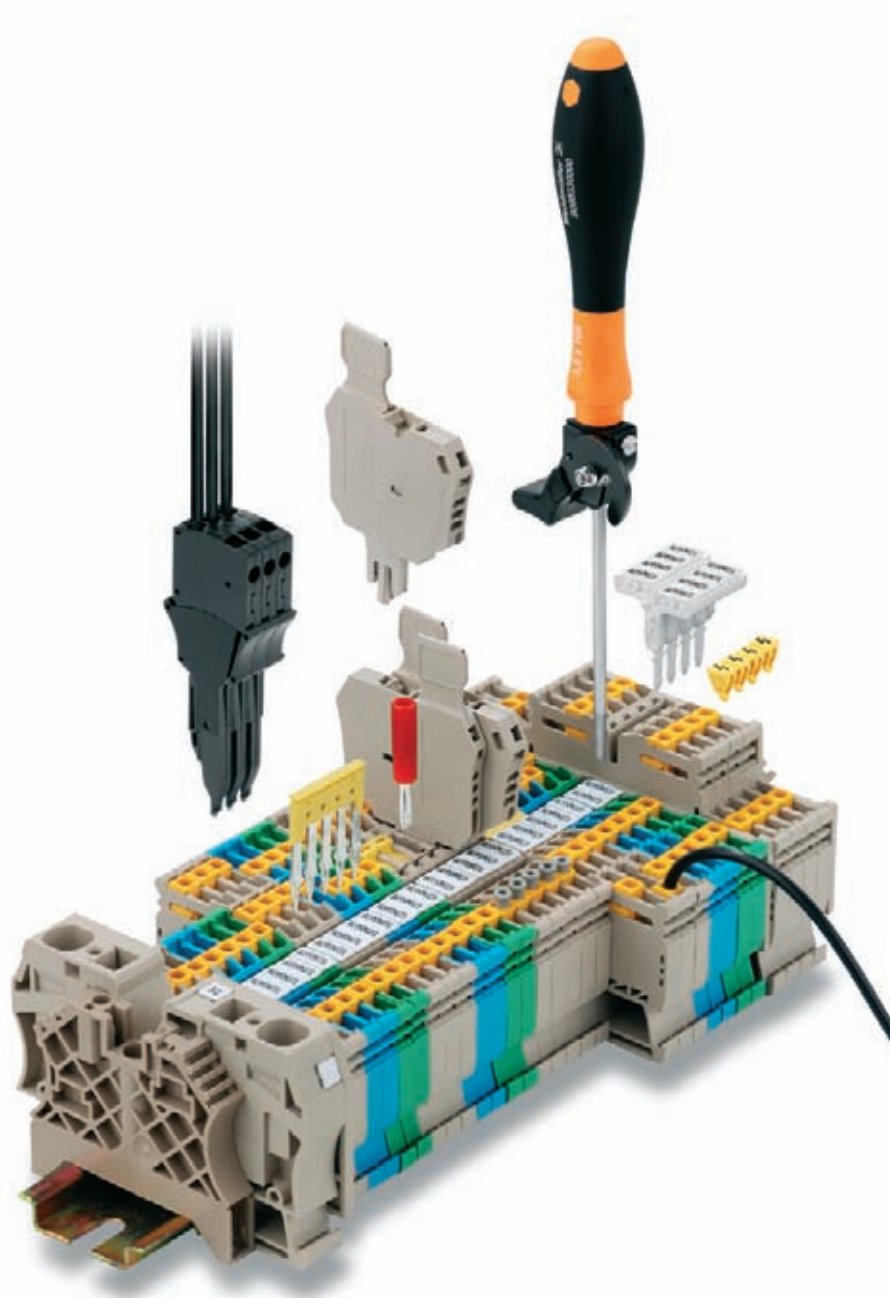
Labelling and connecting

Chapter G



Weidmüller labelling systems featured in **chapter G** are used to mark IDC terminals.

Weidmüller IDC2 terminals are connected using a standard 0.6 x 3.5 screwdriver. Here our **Swifty®** screwdriver with combined cutting function (see **page G.73**) is a very clever solution.



Fastening

Chapter G



An end bracket is fitted on the mounting rail to the right and left of the terminals to ensure that they sit firmly in position. The marking surface of the end bracket can also be used for group marking. The wide range of Weidmüller end brackets and mounting rails can be found in **Chapter G**.

Electrical supply

Page C.40



Weidmüller IDC2 terminals come with the **ZE1 16** supply terminal. Crossconnections break the current input down into several current outputs. The current is supplied with a conductor cross-section of 16 mm² and then distributed across neighbouring terminals for cross-sectional areas of 1.5 mm² and 2.5 mm².

Electrical distribution

Page C.42



A plug-in **cross-connection system (ZQV)** is supplied for all Weidmüller terminals.

Potential is distributed to any number of terminals simply by plugging the cross-section into the middle of the terminals.

Pluggable terminals ...

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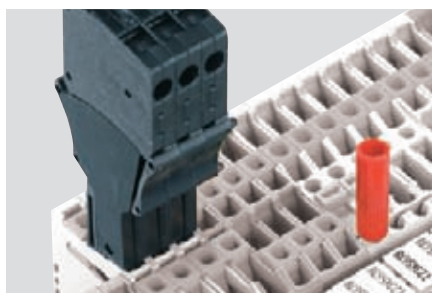
**... with IDC technology**

In its design, the terminals are based on the modular principle. The basic elements of the WeiCoS system consist of one terminal assembly for the functional unit on the mounting rail, and plug-in connectors connecting up the elements (cable harness assembly).

- Quick assembly
- Fully plugged-in functional units possible
- Quick and simple replacement during servicing

Testing

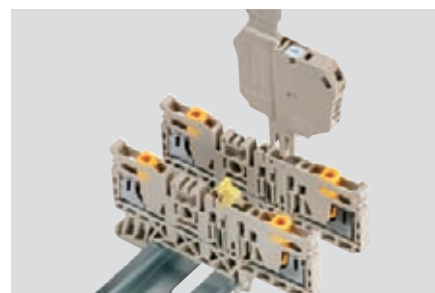
Page C.44



The latching test adapter (**ITA**) is used as a single unit and as a test adapter strip for measurements in control cabinets. The test adapter allows convenient, rational testing of assembled terminals. It is simply latched onto the terminal. This creates contact with the current carrying busbar. The unit is released from the terminal by simply pressing the release button.

Specific functions

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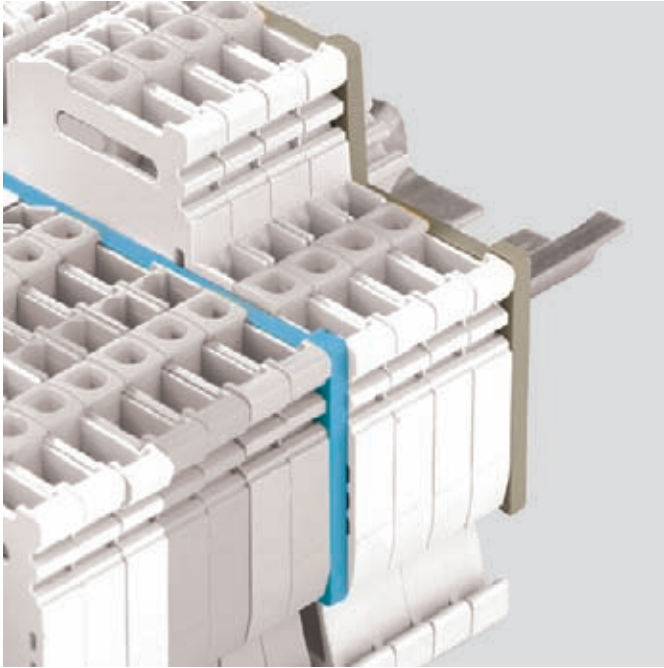


For the IDC terminals there are also further accessories available, e.g.

- Pluggable fuse holder (SIHA 3)
- Reducing bush for centring small conductors

Accessories - Optical separation

End plates / partitions



End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage.

It guarantees protection against contact with live parts and makes the final terminal touch-proof.

If cross-connections are shortened, end plates must be used on the bare cut edges of the cross-connection to maintain the rated voltage of 250 V.

Coloured end plates are used to distinguish different circuits.

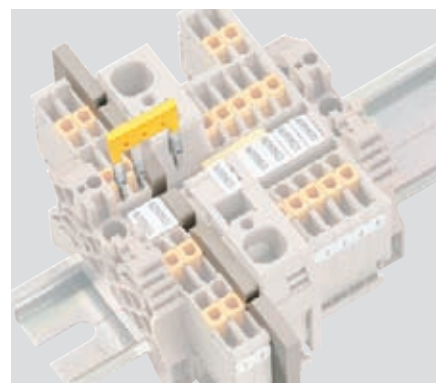
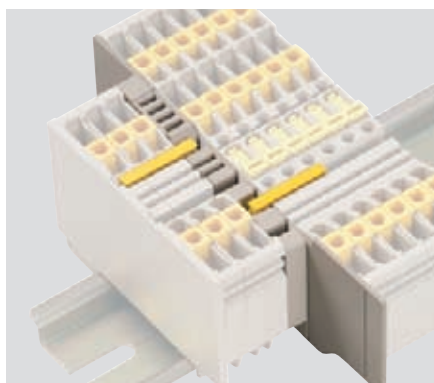
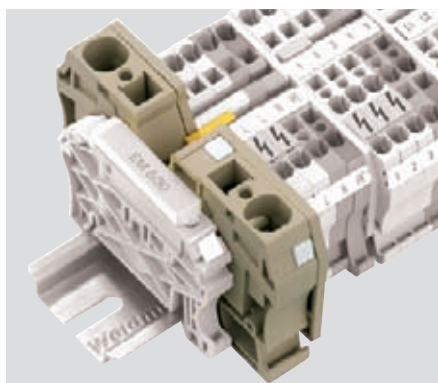
Ordering data

Type	Colour	Qty	Order No.	For terminal:
Width 2 mm				
IAP 1.5N	dark beige	50	1792430000	IDK 1.5N
IAP 1.5N BL	blue	50	1792440000	IDK 1.5N BL
				IDK 1.5N PE
				IDK 1.5N V
				IDU 1.5N
				IDU 1.5N BL
				IDU 1.5N/3AN/ZB
				IDU 1.5N/3AN/ZB BL
				IDU 1.5N/3AN/ZF
				IDU 1.5N/3AN/ZF BL
				IDU 1.5N/ZB
				IDU 1.5N/ZB BL
				IDU 1.5N/ZF
				IDU 1.5N/ZF BL
				IPE 1.5N
				IPE 1.5N/ZB
				IPE 1.5N/ZF
				ITR 1.5N
				ITR 1.5N BL
				ITR 1.5N O.TNHE
				ITR 1.5N/SI
Width 2 mm				
IAP 1.5N/3AN	dark beige	50	1792450000	IDU 1.5N/3AN
IAP 1.5N/3AN BL	blue	50	1792460000	ITR 1.5N
				ITR 1.5N BL
				ITR 1.5N O.TNHE
				ITR 1.5N/3AN
				ITR 1.5N/3AN BL
				ITR 1.5N/3AN SI
				ITR 1.5N/SI
				IDU 1.5N/3AN BL
				IDU 1.5N/3AN/ZB
				IDU 1.5N/3AN/ZB BL
				IDU 1.5N/3AN/ZF
				IDU 1.5N/3AN/ZF BL
				IPE 1.5N/3AN
				IPE 1.5N/3AN/ZB
				IPE 1.5N/3AN/ZF
Width 2 mm				
IAP 1.5N/4AN	dark beige	50	1792470000	IDU 1.5N/2X2AN
IAP 1.5N/4AN BL	blue	50	1792480000	IDU 1.5N/4AN
				IDU 1.5N/4AN BL
				IPE 1.5N/4AN
				ITR 1.5N/3AN
				ITR 1.5N/3AN BL
				ITR 1.5N/3AN SI
Width 2 mm				
IAP 1.5N/DK-ZB	beige	50	1896710000	IDK 1.5N/ZB
IAP 1.5N/DK-ZB BL	blue	50	1896730000	IDK 1.5N/ZB BL
Width 2 mm				
IAP 1.5N/DK	dark beige	50	1792520000	IDK 1.5N
IAP 1.5N/DK BL	blue	50	1792530000	IDK 1.5N BL
				IDK 1.5N DU-PE
				IDK 1.5N PE
				IDK 1.5N V
Width 2 mm				
IAP 1.5N 3L	dark beige	20	1801770000	IAK 1.5N 3L
				IEK 1.5N 3L
				IEK 1.5N 3L PE
				IIK 1.5N 3L
Width 2 mm				
IAP 1.5N 4L	dark beige	20	1801780000	IEK 1.5N 4L PE
				IIK 1.5N 4L
				IIK 1.5N 4L PA
Width 2 mm				
IAP 2.5N	dark beige	50	1813020000	IDU 2.5N
IAP 2.5N BL	blue	50	1813030000	ITR 2.5N SI
				IDU 2.5N BL
				IDU 2.5N/ZB
				IDU 2.5N/ZB BL
				IDU 2.5N/ZF
				IDU 2.5N/ZF BL
				IPE 2.5N
				IPE 2.5N/ZB
				IPE 2.5N/ZF

Ordering data

Type	Colour	Qty	Order No.	For terminal:
Width 2 mm				
IAP 2.5N/3AN	dark beige	50	1813040000	IDU 2.5N/3AN
IAP 2.5N/3AN BL	blue	50	1813050000	IDU 2.5N/3AN BL
				IDU 2.5N/3AN/ZB
				IDU 2.5N/3AN/ZB BL
				IPE 2.5N/3AN
				IPE 2.5N/3AN/ZB
				ITR 2.5N
				ITR 2.5N BL
				ITR 2.5N O.TNHE
Width 2 mm				
IAP 2.5N/4AN	dark beige	50	1813070000	IDU 2.5N/2X2AN
IAP 2.5N/4AN BL	blue	50	1813080000	IDU 2.5N/4AN
				IDU 2.5N/4AN BL
				IPE 2.5N/4AN

ZEI 16 supply terminal



The **ZEI 16** supply terminal is capable of taking conductor cross-sectional areas of up to 25 mm². Standard cross-connections then distribute the current to any number of terminals with a smaller cross-sectional area.

Cross-connection to ITR 1.5N/3AN with QVAR 1 (cross-connection adapter)

Power supply with the IEPL feed plate

Supply options and corresponding cross-connections

Output terminals Supply terminals		right									
		IDU 1.5N	IDU 1.5N/3AN	IDU 1.5N/4AN	IDU 2.5N	IDU 2.5N/3AN	IDU 2.5N/4AN		ITR 1.5N	ITR 1.5N/3AN	ITR 1.5N/4AN
left											
ZDU 4		x ¹	x	x	x ¹	x	x		x	x ²	x
ZDU 4 / 3 AN		x ¹	x ¹	x ¹	x ¹	x ¹	x ¹		x ¹	x ²	x ¹
ZDU 4 / 4 AN		x ¹	x ¹	x ¹	x ¹	x ¹	x		x ¹	x ²	x ¹
ZDU 6		x ¹	x	x	x	x	x		x	x ²	x
ZDU 6 / 3 AN		x ¹	x ¹	x ¹	x ¹	x ¹	x ¹		x ¹	x ²	x ¹
ZEI 16		x	x	x	x	x	x		x	x ²	x
left											
Output terminals Supply terminals		IDU 1.5N	IDU 1.5N/3AN	IDU 1.5N/4AN	IDU 2.5N	IDU 2.5N/3AN	IDU 2.5N/4AN		ITR 1.5N	ITR 1.5N/3AN	ITR 1.5N/4AN
right											
ZDU 4		x ¹	x ¹	x ¹	x ¹	x ¹	x ¹		x ¹	x ²	x ¹
ZDU 4 / 3 AN		x	x ¹	x ¹	x	x ¹	x ¹		x ¹	x ²	x ¹
ZDU 4 / 4 AN		x	x	x	x	x	x ¹		x	x ²	x
ZDU 6		x	x ¹	x ¹	x	x ¹	x ¹		x ¹	x ²	x ¹
ZDU 6 / 3 AN		x	x ¹	x ¹	x	x ¹	x ¹		x ¹	x ²	x ¹
ZEI 16		x	x ¹	x ¹	x	x ¹	x ¹		x ¹	x ²	x ¹

x¹ with IEPL, x² with QVAR

Ordering data

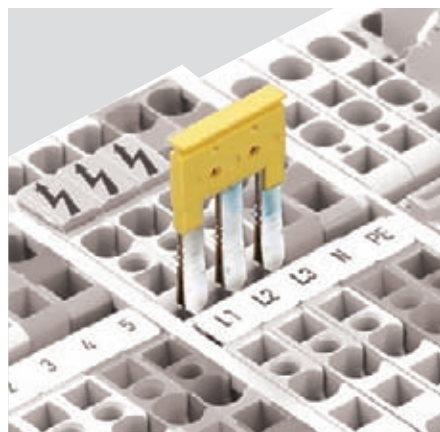
Type	Colour	Qty.	Order No.
ZEI 16	dark beige	20	1745350000
ZEI 16 BL	blue	20	1766240000
IEPL	dark beige	20	1859570000
QVAR1	dark beige	20	1836370000

Maximum possible current I_{max}

Output terminals	Cross-connection	Supply conductor cross-sectional area	Supply left or right	Supply middle
IDU 1.5N	ZQV 2.5	25 mm ²	62 A	95 A
IDU 2.5N	ZQV 4	25 mm ²	82 A	101 A

Accessories – Electrical distribution

Plug-in cross-connection ZQV



The time-saving, easy-to-use crossconnection combs for terminals, featuring tension clamp technology.

- **ZQV 2.5** as 2- to 10-pole combs and ZQV2.5/20 – continuous (20-pole)
- **ZQV 4** as 2- to 10-pole combs and ZQV4/20 – continuous (20-pole)

These versions come with complete shock protection. However, please note that the rated voltage is reduced to 400 V when using cross-connections.

This does not apply to terminals with a rated voltage below 500 V. Here the rated voltage of the used terminal is mandatory (e.g. terminal types ITR 1.5N and ITR 2.5N).

Breaking out contact elements

Breaking out one or more (max. 60 %) contact elements from cross-connections enables certain terminals to be bypassed to suit the application.

Fitting and changing cross-connection

The fitting and changing of cross-connections is a trouble-free and fast operation:

- Insert the cross-connection into the cross-conn. channel in the terminal...

... and press it fully home.

(The cross-connection may not project from the channel.)

- Remove a cross-connection by simply prising it out with a screwdriver.

Shortening cross-connections

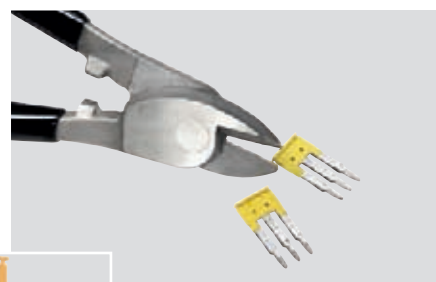
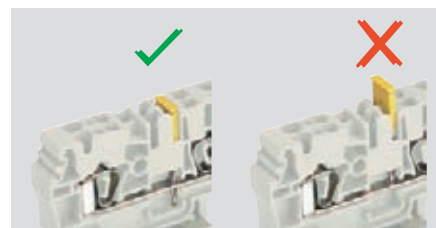
Cross-connections can be shortened in length using a suitable cutting tool, e.g. KT ZQV (order no. 900217). However, three contact elements must always be retained.

Caution:

Contact elements must not be deformed!



If a cross-connection is shortened, end plates or partition plates (ZAP/TW) must be used to maintain the rated voltage of 250 V (fitted to the bare cut edges of the cross-connection).



Pluggable ZQV

The ZQV 2.5/20 cross-connector allows you to easily and separately connect up to 20 terminals with each other. The electrician can cut off the required amount of contact elements from the continuous 20-pole cross-connection comb.

Technical data	
current	A
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
20-pole	

ZQV 2.5



24 / 24

Type	Qty	Order No.
ZQV 2.5/2	60	1608860000
ZQV 2.5/3	60	1608870000
ZQV 2.5/4	60	1608880000
ZQV 2.5/5	20	1608890000
ZQV 2.5/6	20	1608900000
ZQV 2.5/7	20	1608910000
ZQV 2.5/8	20	1608920000
ZQV 2.5/9	20	1608930000
ZQV 2.5/10	20	1608940000
ZQV 2.5/20	20	1908960000
For terminal:		
IDU 1.5N ...		
IDK 1.5N ...		
ITR 1.5N ...		
ITR 1.5N/SI ...		
IT 1.5N/4 AN/2		
IAK 1.5N 3L		
IIK 1.5N 3L		
IIK 1.5N 4L		
IIK 1.5N 4L PA		

ZQV 4



32 / 32		
Type	Qty	Order No.
ZQV 4/2 GE	60	1608950000
ZQV 4/3 GE	60	1608960000
ZQV 4/4 GE	60	1608970000
ZQV 4/5 GE	20	1608980000
ZQV 4/6 GE	20	1608990000
ZQV 4/7 GE	20	1609000000
ZQV 4/8 GE	20	1609010000
ZQV 4/9 GE	20	1609020000
ZQV 4/10 GE	20	1609030000
ZQV 4/20 GE	20	1909010000
For terminal:		
IDU 2.5 ...		
ITR 2.5N ...		
ITR 2.5N/SI ...		

Reducing sleeves

The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections.

The reducing sleeve centres the conductor in the middle of the IDC2 contact.

IRH

Reducing sleeves



Technical data	
Product type	
Ordering data	
For IDU 1,5 terminal	
For IDU 2,5N terminal	

Reducing sleeve		
Type	Qty	Order No.
IRH 1.5	100	1804510000
IRH 2.5	100	1848230000
For terminal:		

Accessories - Testing / checking

Test adapter

The clip-on test adapter ITA is used as a single thin element and as a test adapter strip for measurements in electrical cabinets. Conductors with cross-sections from 0.5 mm² to 1.0 mm² can be connected. The test adapter simply clips onto the terminal and thus guarantees reliable contact with the live busbar.

Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm²
Clamped conductors (H05V/H07V)	
solid / stranded	mm²
flexible / Flexible with ferrule	mm²
Ordering data	
1-pole	
With snap-in pegs	

ITA 1



5.1 / 27 /	76.00	
6		
500		
12		
1		
0.5...1		
0.5...1		
Type	Qty	Order No.
ITA 1	25	1803800000
ITA 1/ZA	25	1803810000
For terminal:		
IDU 1.5N ...		
IDK 1.5N ...		
ITR 1.5N ...		
ITR 1.5N/SI ...		
IT 1.5N/4 AN/2		

ITA 2



6.1 / /	76.00	
6		
500		
12		
1		
0.5...1		
0.5...1		
Type	Qty	Order No.
ITA 2	25	1821210000
ITA 2/ZA	25	1821220000
For terminal:		
IDU 2.5 ...		
ITR 2.5N ...		
ITR 2.5N/SI		

Test plug

A test point for the PS 2.3 test plug is designed into some of the I-Series terminals. Quick measurements can be made by inserting the test plug into the opening provided. In contrast to the test adapter, the test plug does not snap on to the terminal.

Technical data	
Product type	
Ordering data	
Test plug	

PS 2.3 RT

Plug diameter 2.3 mm



Test plug		
Type	Qty	Order No.
PS 2.3 RT	20	0180400000
For terminal:		
ITR 1.5N		
ITR 1.5N/3AN		
ITR 2.5N		

Cover

The VDE standards call for power connection terminals to be covered. For this purpose, Weidmüller can supply yellow warning covers printed with the „lightning flash“ symbol. The cover is clipped into the screwdriver slit in the terminal and each one covers a group of four terminals.

Technical data	
Product type	
Ordering data	
	With lightning flash
	blank

IAD 1/4



Connector markers		
Type	Qty	Order No.
IAD 1/4 GE MIT BLITZ	20	1805500000
IAD 1/4 GE Neutral	20	1818420000
For terminal:		
IDU 1.5N ...		IT 1.5N/4 AN/2
IDK 1.5N ...		IAK 1.5N 3L
ITR 1.5N ...		IIK 1.5N 3L
ITR 1.5N/SI ...		IIK 1.5N 4L
		IIK 1.5N 4L PA

IAD 2/4



Connector markers		
Type	Qty	Order No.
IAD 2/4 GE MIT BLITZ	20	1828420000
IAD 2/4 GE NEUTRAL	20	1828430000
For terminal:		
IDU 2.5N ...		
ITR 2.5N ...		
ITR 2.5N/SI ...		

labeling

SnapMark - This tag holder was specially developed for the double-tier IDK 1.5N terminals of the I-Series. The flexible pivot mechanism allows cross-connections to be easily installed or removed. It can be fitted with four DEK 5 labelling tags or two WS 10/5 Middle connector markers.

Technical data	
Material	
UL 94 flammability rating	
Temperature range	
Material colour	
L x W	
Ordering data	
	blank

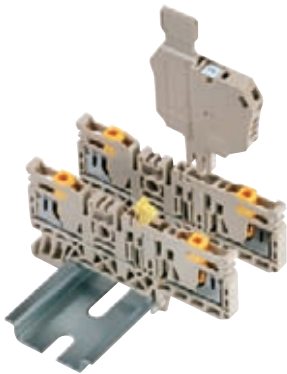
Snap Mark



Polyamide 66		
V2		
-40 °C...100 °C		
white		
23 x 5 mm		
Type	Qty	Order No.
Snap Mark I	50	1805880000
For terminal:		

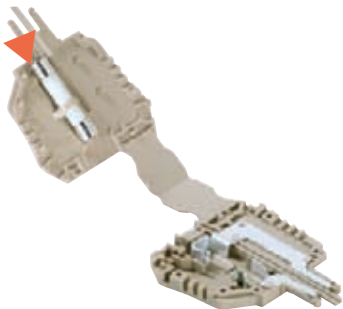
Accessories – Special functions

SIHA fuse holder



1. Open fuse holder with fingers or screwdriver.

2. Press out old fuse.



3. Position new fuse.



4. Press fuse holder together again.

For 5 x 20 G-fuse cartridges

The SIHA fuse holder converts a simple terminal into a fuse terminal in next to no time.
Simply remove the disconnect lever and insert the fuse plug.

- Simple handling without tools
- Housing made of Wemid (V0)
- Rated current 6.3 A
- 1.6 W power loss to DIN VDE 0611-6 at 23 °C ambient temperature (also for 1.5 times rated current – composite arrangement)

- Even fits on 5 mm wide terminals when fitted in offset arrangement



- Marking position for Dekafix 5 and space for the E-Fix self-adhesive label, size 8/20



SIHA 3



	Qty.	Order No.
without LED		
SIHA3/G20		
400 V	1	7921560000
with LED (red)		
SIHA3/G20		
10 - 36 V	1	7921570000
35 - 70 V	1	7921580000
60 - 150 V	1	7921590000
140 - 250 V	1	7921600000
For test-disconnect terminals versions		
ITR 1.5 N		
ITR 1.5 N / 3 AN		
ITR 2.5 N		

SIHA STRAP



	Qty.	Order No.
with strap		
SIHA STRAP		
	20	9537680000

- Connector for retro-fit assembly
- Receptacle in the terminal is the marking position
 - Integrated marking position on the strap
 - Slots into fuse holder either on the left or on the right

Cartridge fuses and gauge pieces for Weidmüller fuse terminals and SIHA 3 fuse holder

Cartridge fuses

For terminal type
ITR 1.5N/SI
ITR 1.5N/3AN/SI
ITR 2.5N/SI



Technical data / Ordering data

G-type cartridge fuses 5 x 20 without indicators to IEC 60127-2 (VDE 0820 pt 2)

Size (mm)	Nom. voltage (V)	Nom. current (A)	Type	Qty.	Order No.
5 x 20 breaking capacity 1500 A (at 250 V, 50 Hz, cos : 0.7)	0.1	(F)	G 20/0.10A/F	10	0430300000
	0.2	(F)	G 20/0.20A/F	10	0430400000
	0.25	(F)	G 20/0.25A/F	10	0430500000
	0.5	(F)	G 20/0.50A/F	10	0430600000
	0.63	(F)	G 20/0.63A/F	10	0439000000
	1.0	(F)	G 20/1.00A/F	10	0430700000
	1.6	(F)	G 20/1.60A/F	10	0430800000
	2.0	(F)	G 20/2.00A/F	10	0430900000
	2.5	(F)	G 20/2.50A/F	10	0431000000
	3.15	(F)	G 20/3.15A/F	10	0431100000
	4.0	(F)	G 20/4.00A/F	10	0431200000
	5.0	(F)	G 20/5.00A/F	10	0431300000
	6.3	(F)	G 20/6.30A/F	10	0431400000

(M) = medium-blow (F) = fast-blow

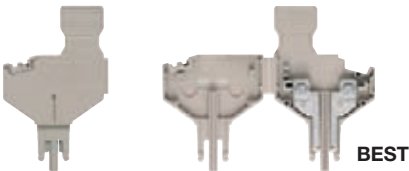
Component/isolating plugs

The Weidmüller philosophy is to realise a multitude of applications with just a few parts. The component and isolating plugs (BEST and TNST) represent a logical extension of this cost-effective and efficient approach. The component plug can accommodate electronic components and connect them to the terminal. And once an isolating plug is removed, the clamping point is obviously disconnected. The opening is easy to recognise.

An unintentional reconnection of the circuit is prevented by simply removing the isolating plug. The BEST and the TNST have the same pin arrangement. Both plugs are also identical with the SIHA 3 fuse holder, meaning that they can be used in all the "disconnecting products" of the W-, Z-, I- and P-Series.

Component plug (up to 250 V)

can be reversed



Ordering data

Type	Fitted with...	Qty.	Order No.
BEST	without	25	1833100000
BEST/DRBR	wire jumper	25	1878570000
BEST/D	with diode 1N4007	25	1878560000

For terminal type

ITR 1.5 o.TNHE

ITR 2.5 o.TNHE

Isolating plug

Isolating plug



Ordering data

Type	Colour	Qty.	Order No.
TNST	yellow Wemid	25	1833090000

For terminal type

ITR 1.5 o.TNHE

ITR 2.5 o.TNHE

