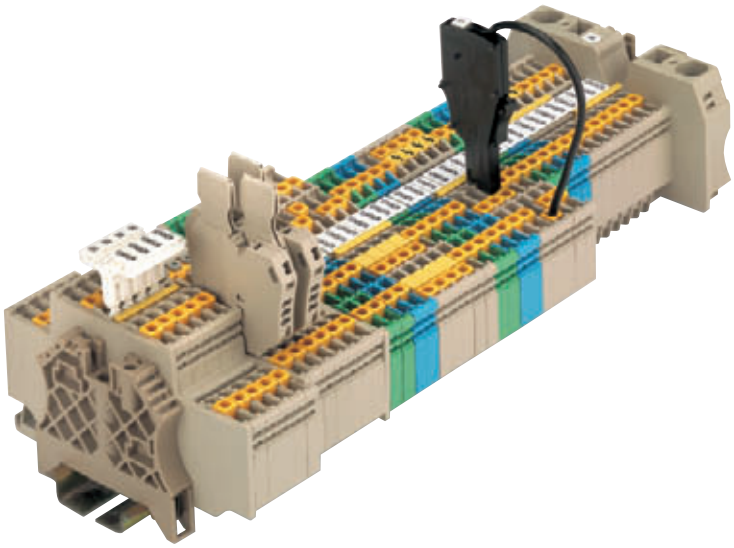
Terminals, I-Series

Terminals, I-Series

Overview I-Series	C.2
Feed-through terminals	C.6
Modular PE terminals	C.10
Double level terminals	C.14
Modular disconnect terminals	C.18
Fuse terminals	C.20
Hybrid modular terminals	C.22
Pluggable standard terminals	C.30
Initiator and actuator terminals	C.32
Terminals with electronic components	C.38
Accessories I-Series	C.42

I-Series / IDC 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	•	•
3 connections	•	•
4 connections	•	•
PE terminals		
2 connections	•	•
3 connections	•	•
4 connections	•	•
Fuse terminals	•	•
Disconnect terminals	•	•
Double level terminals	•	
Initiator/Actuator terminals	•	
Plug-in terminals	•	
Hybrid terminals (IDC/screw)		
2 connections	•	•
3 connections	•	•
Hybrid terminals (IDC/tension clamp)		
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 mm^2 and 0.50...2.5 mm^2

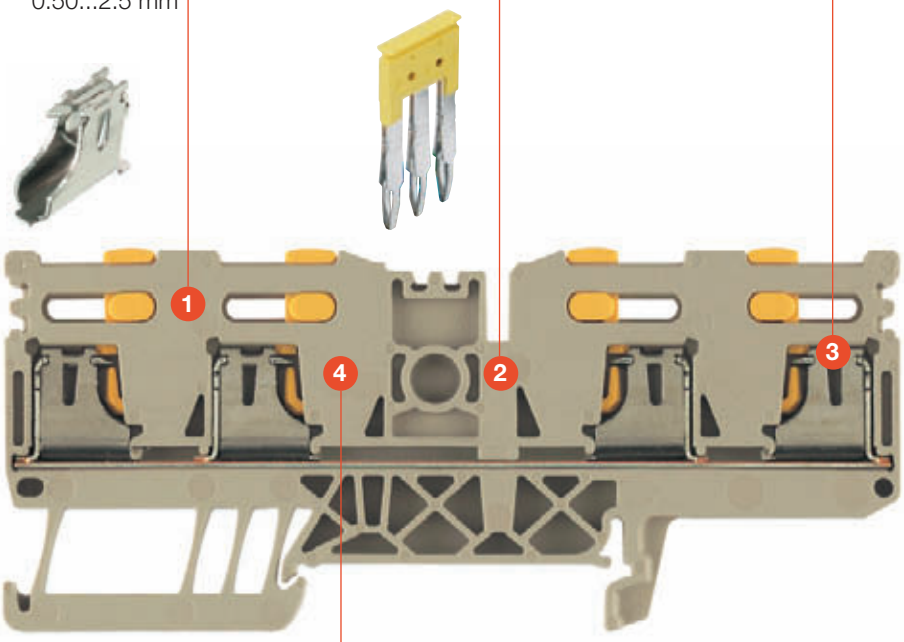
2 Plug-in cross-connections

- 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 VBG 4.

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

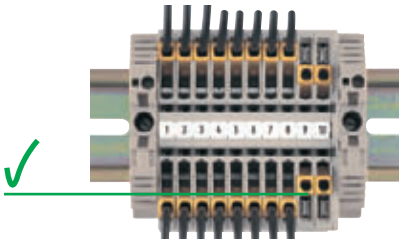
- Non-tracking, CTI 600
- Thermally stable up to 120°C
- V0 flammability rating to UL 94
- Free from halogen and phosphor flame-retardant substances

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

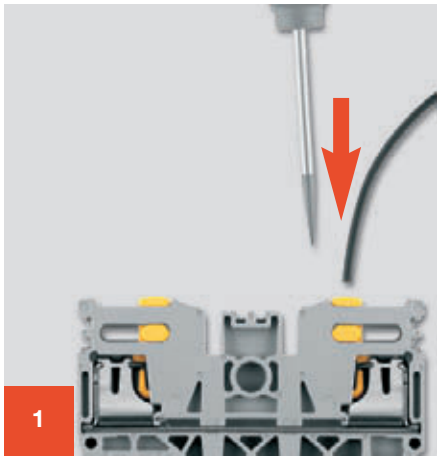
- Test adapter, test plug
- Can be used with standard and group markers
- End plates, partition plates
- Covers
- Reducing sleeves
- Fuse holder

Standards and directives

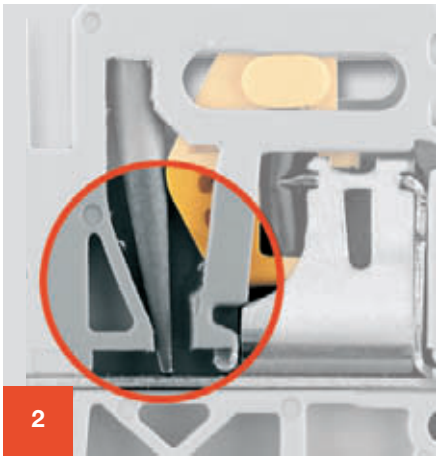
IDC2 terminals comply with standards such as:

- 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

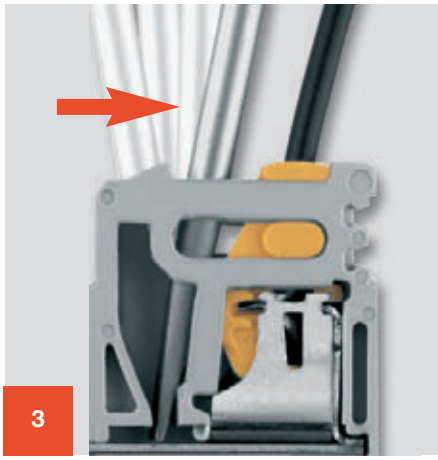
How it works
No stripping – no crimping – no special tools



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 ...

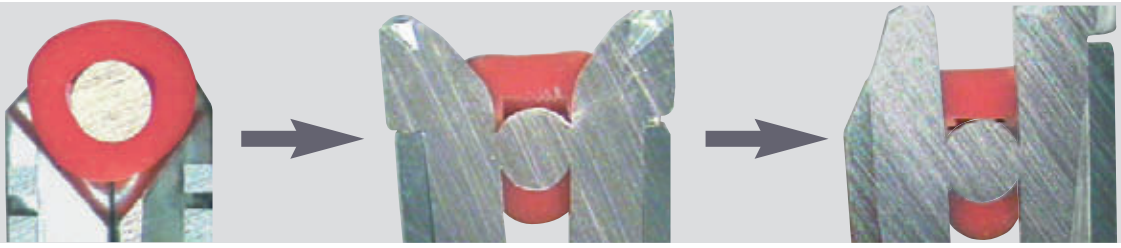
shows the benefits of our technology.

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.

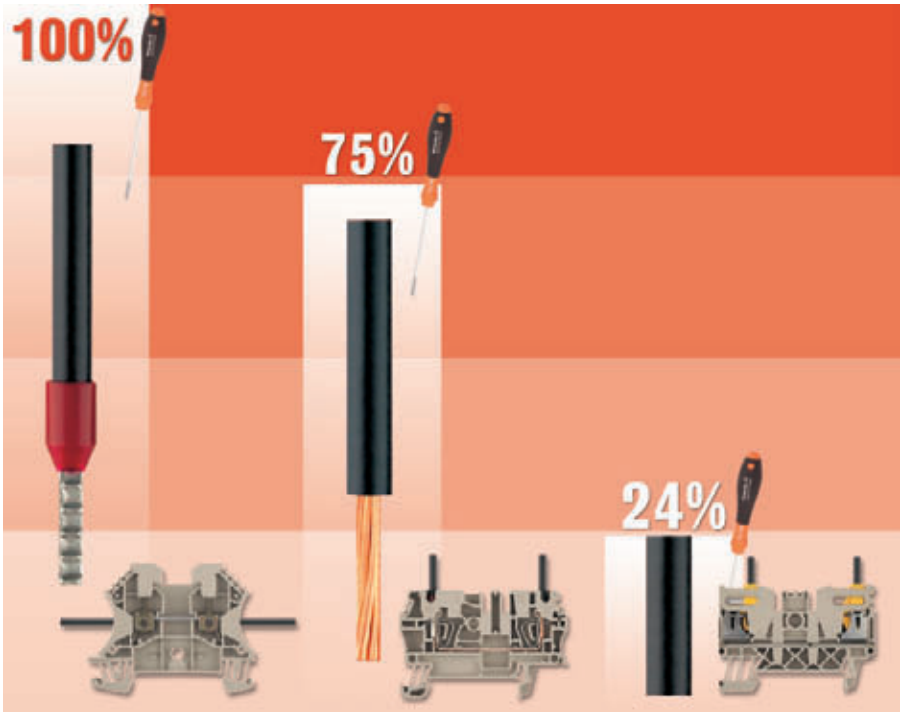
Solid conductor



Stranded conductor

The benefits: Extreme time-savings

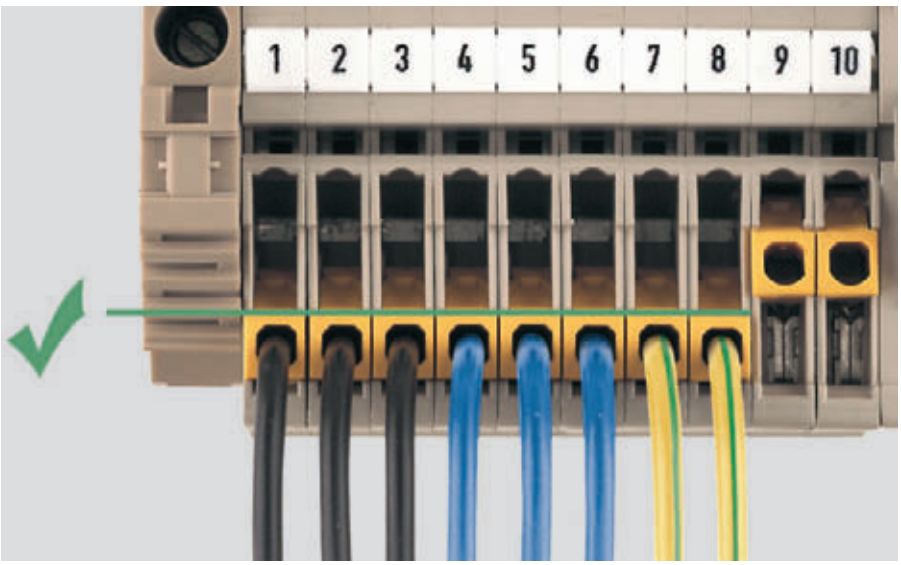
In comparaison:
Clamping yoke **Tension clamp** **IDC2**



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



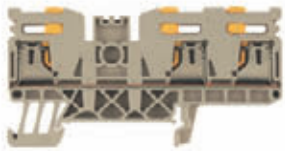
The yellow sliding mechanism shows you at a glance whether the conductor is properly in contact

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.

Feed-through terminals

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

		IDU 1.5N	1.5 mm²	IDU 1.5N/3AN	1.5 mm²
					
width x length x height with TS 35 x 7.5	mm	**5.1** x 59.5 x 40.5		**5.1** x 78.5 x 40.5	
max. current / max. cond. cross-section	A/mm²	**/ 1.5**		**/ 1.5**	
max. clamping range	mm²	**0.21 ... 1.5**		**0.21 ... 1.5**	

Technical data

		IDU 1.5N				IDU 1.5N/3AN			
		IEC 60947-7-1 / IEC 60352-4			Ex e II II 2 G D	IEC 60947-7-1 / IEC 60352-4			Ex e II II 2 G D
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage	V	500	300	300	275	500	300	300	275
Rated current	A	17.5	10	10	15	17.5	10	10	15
Rated cross-section	mm²	1.5	AWG 24... 16	AWG 24... 16	1.5	1.5	AWG 24... 16	AWG 24... 16	1.5
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals					KEMA 02ATEX2241 U				KEMA 02ATEX2241 U
Clamped conductors (H05V/H07V)		**Rated connection**		**further connection**		**Rated connection**		**further connection**	
Solid / stranded	mm²	0.21...1.5				0.21...1.5			
Flexible / Flexible with wire end ferrule	mm²	0.21...1.5				0.21...1.5			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	/ 0.6 x 3.5				/ 0.6 x 3.5			
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5				Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

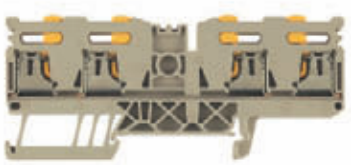
Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	IDU 1.5N	100	**1792540000**	IDU 1.5N/3AN	100	**1792570000**
	blue Wemid	IDU 1.5N BL	100	**1792550000**	IDU 1.5N/3AN BL	100	**1792580000**
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24	60	**1608860000**	ZQV 2.5/2	24	60	**1608860000**
	3-pole	ZQV 2.5/3	24	60	**1608870000**	ZQV 2.5/3	24	60	**1608870000**
	4-pole	ZQV 2.5/4	24	60	**1608880000**	ZQV 2.5/4	24	60	**1608880000**
	10-pole	ZQV 2.5/10	24	20	**1608940000**	ZQV 2.5/10	24	20	**1608940000**
	20-/24-pole	ZQV 2.5/20	24	20	**1908960000**	ZQV 2.5/20	24	20	**1908960000**
End plate / Partition plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	IAP 1.5N	2	50	**1792430000**	IAP 1.5N/3AN	2	50	**1792450000**
	blue Wemid	IAP 1.5N BL	2	50	**1792440000**	IAP 1.5N/3AN BL	2	50	**1792460000**
End bracket			**width [mm]**				**width [mm]**		
	dark beige Wemid	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Test adapter									
For testing wired terminal strips	Standard	ITA 1		25	**1803800000**	ITA 1		25	**1803800000**
	with spigot	ITA 1/ZA		25	**1803810000**	ITA 1/ZA		25	**1803810000**
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves									
	for conductors < 0.5 mm / AWG 20	IRH 1.5		100	**1804510000**	IRH 1.5		100	**1804510000**
	for conductors < 1.0 mm / AWG 18								
Cover									
	with lightning flash symbol	IAD 1/4 GE MIT BLITZ		20	**1805500000**	IAD 1/4 GE MIT BLITZ		20	**1805500000**
	blank	IAD 1/4 GE Neutral		20	**1818420000**	IAD 1/4 GE Neutral		20	**1818420000**
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

IDU 1.5N/4AN — 1.5 mm²



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

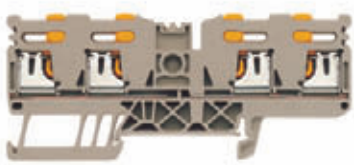
Rated connection	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

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

IDU 1.5N/2X2AN — 1.5 mm²



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	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

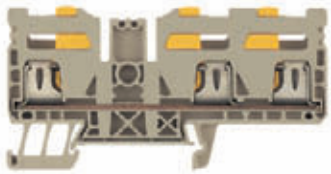
Type	Qty.	Order No.
IDU 1.5N/2X2AN	100	**1824340000**

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

Feed-through terminals

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

		IDU 2.5N	IDU 2.5N/3AN
		2.5 mm²	2.5 mm²
width x length x height with TS 35 x 7.5	mm	**6.1** x 66.4 x 45.6	**6.1** x 87.9 x 45.6
max. current / max. cond. cross-section	A/mm²	**/ 2.5**	**/ 2.5**
max. clamping range	mm²	**0.5 ... 2.5**	**0.5 ... 2.5**



Technical data

		IDU 2.5N				IDU 2.5N/3AN			
		IEC 60947-7-1 / IEC 60352-4			Ex e II II 2 G D	IEC 60947-7-1 / IEC 60352-4			Ex e II II 2 G D
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage	V	800	600	600	550	800	600	600	550
Rated current	A	24	15	15	21	24	15	15	21
Rated cross-section	mm²	2.5	AWG 20... 14	AWG 20... 14	2.5	2.5	AWG 20... 14	AWG 20... 14	2.5
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3				8 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals		DEMKO 03ATEX134054U				DEMKO 03ATEX134054U			
Clamped conductors (H05V/H07V)		**Rated connection**	**further connection**			**Rated connection**	**further connection**		
Solid / stranded	mm²	0.5...2.5				0.5...2.5			
Flexible / Flexible with wire end ferrule	mm²	0.5...2.5				0.5...2.5			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	/ 0.6 x 3.5				/ 0.6 x 3.5			
Note									

Ordering data

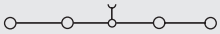
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	IDU 2.5N	100	**1812900000**	IDU 2.5N/3AN	100	**1812930000**
	blue Wemid	IDU 2.5N BL	100	**1812910000**	IDU 2.5N/3AN BL	100	**1812940000**
Note							

Accessories

		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
Cross-connection, pluggable									
	2-pole	ZQV 4/2 GE	32	60	**1608950000**	ZQV 4/2 GE	32	60	**1608950000**
	3-pole	ZQV 4/3 GE	32	60	**1608960000**	ZQV 4/3 GE	32	60	**1608960000**
	4-pole	ZQV 4/4 GE	32	60	**1608970000**	ZQV 4/4 GE	32	60	**1608970000**
	10-pole	ZQV 4/10 GE	32	20	**1609030000**	ZQV 4/10 GE	32	20	**1609030000**
	20-/24-pole	ZQV 4/20 GE	32	20	**1909010000**	ZQV 4/20 GE	32	20	**1909010000**
End plate / Partition plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	IAP 2.5N	2	50	**1813020000**	IAP 2.5N/3AN	2	50	**1813040000**
	blue Wemid	IAP 2.5N BL	2	50	**1813030000**	IAP 2.5N/3AN BL	2	50	**1813050000**
End bracket			**width [mm]**				**width [mm]**		
	dark beige Wemid	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Test adapter									
For testing wired terminal strips	Standard	ITA 2		25	**1821210000**	ITA 2		25	**1821210000**
	with spigot	ITA 2/ZA		25	**1821220000**	ITA 2/ZA		25	**1821220000**
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves									
	for conductors < 0.5 mm / AWG 20								
	for conductors < 1.0 mm / AWG 18	IRH 2.5		100	**1848230000**	IRH 2.5		100	**1848230000**
Cover									
	with lightning flash symbol	IAD 2/4 GE MIT BLITZ		20	**1828420000**	IAD 2/4 GE MIT BLITZ		20	**1828420000**
	blank	IAD 2/4 GE NEUTRAL		20	**1828430000**	IAD 2/4 GE NEUTRAL		20	**1828430000**
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/6				WS 10/6			
For detailed information on other accessories and applications see "Accessories"									

IDU 2.5N/4AN — 2.5 mm²

6.1 x 105.9 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...2.5	
/ 0.6 x 3.5	

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

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	**1608950000**
ZQV 4/3 GE	32	60	**1608960000**
ZQV 4/4 GE	32	60	**1608970000**
ZQV 4/10 GE	32	20	**1609030000**
ZQV 4/20 GE	32	20	**1909010000**
	width [mm]		
IAP 2.5N/4AN	2	50	**1813070000**
IAP 2.5N/4AN BL	2	50	**1813080000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
ITA 2		25	**1821210000**
ITA 2/ZA		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

6.1 x 105.9 x 45.6
/ 2.5
0.5 ... 2.5

IEC 60947-7-1 / IEC 60352-4

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

Rated connection	further connection
0.5...2.5	
0.5...2.5	
/ 0.6 x 3.5	

Type	Qty.	Order No.
IDU 2.5N/2X2AN	50	**1821230000**

Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	**1608950000**
ZQV 4/3 GE	32	60	**1608960000**
ZQV 4/4 GE	32	60	**1608970000**
ZQV 4/10 GE	32	20	**1609030000**
ZQV 4/20 GE	32	20	**1909010000**
	width [mm]		
IAP 2.5N/4AN	2	50	**1813070000**
IAP 2.5N/4AN BL	2	50	**1813080000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
ITA 2		25	**1821210000**
ITA 2/ZA		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

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

	IPE 1.5N	1.5 mm²	IPE 1.5N/3AN	1.5 mm²
width x length x height with TS 35 x 7.5 mm	**5.1** x 59.5 x 40.5		**5.1** x 78.5 x 40.5	
max. current / max. cond. cross-section A/mm²	**/ 1.5**		**/ 1.5**	
max. clamping range mm²	**0.21 ... 1.5**		**0.21 ... 1.5**	

Technical data

	IPE 1.5N				IPE 1.5N/3AN			
	IEC 60947-7-2 / IEC 60352-4			Ex e II II 2 G D	IEC 60947-7-2 / IEC 60352-4			Ex e II II 2 G D
Rated data	**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated cross-section mm²	1.5	AWG 24… 16	AWG 24… 16	1.5	1.5	AWG 24… 16	AWG 24… 16	1.5
Rated voltage to adjacent termianl V	500				500			
Rated impulse withstand voltage to adjacent terminal kV	6				6			
Short-time withstand current A								
Pollution severity		3				3		
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0		
Approvals				KEMA 02ATEX2241 U				KEMA 02ATEX2241 U
Clamped conductors (H05V/H07V)	**Rated connection**		**further connection**		**Rated connection**		**further connection**	
Solid / stranded mm²	0.21…1.5				0.21…1.5			
Flexible / Flexible with wire end ferrule mm²	0.21…1.5				0.21…1.5			
Tightening torque range (clamping screw) Nm								
Tightening torque range (fixing screw) Nm								
Stripping length / Blade size mm / -	/ 0.6 x 3.5				/ 0.6 x 3.5			
2 clamped cables with same cross-section (H05V/H07V)								
Solid / stranded mm²								
Flexible / Flexible with wire end ferrule mm²								
Note	Conductor < 0.5 mm² / AWG 24 with IRH 1.5				Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

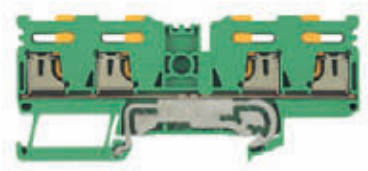
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow Wemid	IPE 1.5N	100	**1792560000**	IPE 1.5N/3AN	100	**1792590000**
Note						

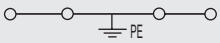
Accessories

	Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate								
dark beige Wemid	IAP 1.5N	2	50	**1792430000**	IAP 1.5N/3AN	2	50	**1792450000**
End bracket		**width [mm]**				**width [mm]**		
dark beige / beige	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Testing / Checking								
For testing wired terminal strips Standard	ITA 1		25	**1803800000**	ITA 1		25	**1803800000**
with spigot	ITA 1/ZA		25	**1803810000**	ITA 1/ZA		25	**1803810000**
Screwdrivers								
with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves								
for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	**1804510000**	IRH 1.5		100	**1804510000**
for conductors < 1.0 mm² / < AWG 18								
PEN jumper								
Inserted into TN-S distributor between N and PE terminals								
Marking systems (see large assortment in catalogue 7)								
Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"								

IPE 1.5N/4AN — 1.5 mm²



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	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

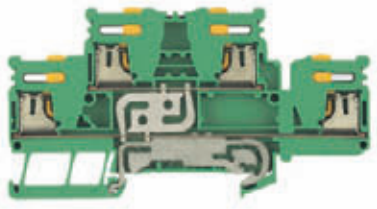
Conductor < 0.5 mm² / AWG 24 with IRH 1.5

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

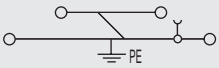
Type	width [mm]	Qty.	Order No.
IAP 1.5N/4AN	2	50	**1792470000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
ITA 1		25	**1803800000**
ITA 1/ZA		25	**1803810000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 1.5		100	**1804510000**

WS 10/5

IDK 1.5N/PE — 1.5 mm²



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	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

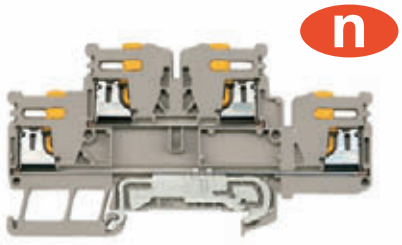
Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty.	Order No.
IDK 1.5N PE	50	**1792690000**

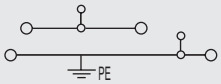
Type	width [mm]	Qty.	Order No.
IAP 1.5N/DK	2	50	**1792520000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
ITA 1		25	**1803800000**
ITA 1/ZA		25	**1803810000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 1.5		100	**1804510000**

WS 10/5

IDK 1.5N DU-PE — 1.5 mm²



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	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	
0.21...1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

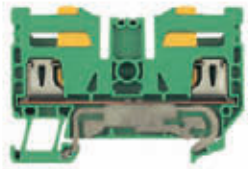
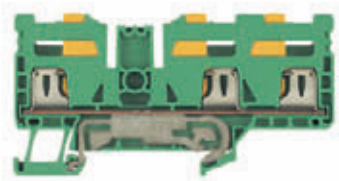
Type	Qty.	Order No.
IDK 1.5N DU-PE	50	**1881610000**

Type	width [mm]	Qty.	Order No.
IAP 1.5N/DK	2	50	**1792520000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
ITA 1		25	**1803800000**
ITA 1/ZA		25	**1803810000**
SWIFTY		1	**9006020000**
SD 0.6x3.5x100		1	**9008330000**
IRH 1.5		100	**1804510000**

WS 10/5

Modular PE terminals

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

		IPE 2.5N	2.5 mm²	IPE 2.5N/3AN	2.5 mm²
					
width x length x height with TS 35 x 7.5	mm	**6.1** x 66.4 x 45.6		**6.1** x 87.9 x 45.6	
max. current / max. cond. cross-section	A/mm²	**/ 2.5**		**/ 2.5**	
max. clamping range	mm²	**0.5 ... 2.5**		**0.5 ... 2.5**	

Technical data

		IPE 2.5N				IPE 2.5N/3AN			
		IEC 60947-7-2 / IEC 60352-4			Ex e II II 2 G D	IEC 60947-7-2 / IEC 60352-4			Ex e II II 2 G D
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated cross-section	mm²	2.5	AWG 20… 14	AWG 20… 14	2.5	2.5	AWG 20… 14	AWG 20… 14	2.5
Rated voltage to adjacent termianl	V	800				800			
Rated impulse withstand voltage to adjacent terminal	kV	8				8			
Short-time withstand current	A								
Pollution severity		3				3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals					DEMKO 03ATEX134054U				DEMKO 03ATEX134054U
Clamped conductors (H05V/H07V)		**Rated connection**		**further connection**		**Rated connection**		**further connection**	
Solid / stranded	mm²	0.5…2.5				0.5…2.5			
Flexible / Flexible with wire end ferrule	mm²	0.5…2.5				0.5…2.5			
Tightening torque range (clamping screw)	Nm								
Tightening torque range (fixing screw)	Nm								
Stripping length / Blade size	mm / -	/ 0.6 x 3.5				/ 0.6 x 3.5			
2 clamped cables with same cross-section (H05V/H07V)									
Solid / stranded	mm²								
Flexible / Flexible with wire end ferrule	mm²								
Note									

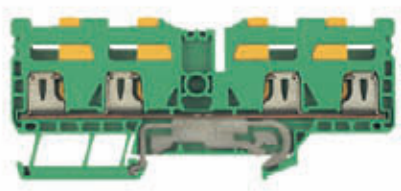
Ordering data

		Type	Qty.	Order No.	Type	Qty.	Order No.
Version	green/yellow Wemid	IPE 2.5N	100	**1812920000**	IPE 2.5N/3AN	100	**1812950000**
Note							

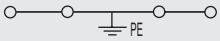
Accessories

		Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate	dark beige Wemid	IAP 2.5N	2	50	**1813020000**	IAP 2.5N/3AN	2	50	**1813040000**
End bracket			**width [mm]**				**width [mm]**		
	dark beige / beige	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Testing / Checking									
For testing wired terminal strips	Standard	ITA 2		25	**1821210000**	ITA 2		25	**1821210000**
	with spigot	ITA 2/ZA		25	**1821220000**	ITA 2/ZA		25	**1821220000**
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20								
	for conductors < 1.0 mm² / < AWG 18	IRH 2.5		100	**1848230000**	IRH 2.5		100	**1848230000**
PEN jumper									
Inserted into TN-S distributor between N and PE terminals									
Marking systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/6				WS 10/6			
For detailed information on other accessories and applications see "Accessories"									

IPE 2.5N/4AN — 2.5 mm²



6.1 x 105.9 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	further connection
0.5…2.5	
0.5…2.5	
/ 0.6 x 3.5	

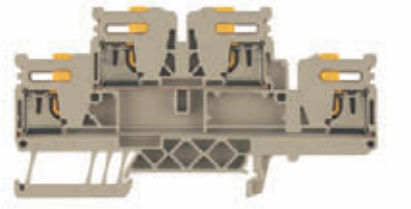
Type	Qty.	Order No.
IPE 2.5N/4AN	50	**1812980000**

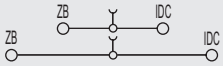
Type	width [mm]	Qty.	Order No.
IAP 2.5N/4AN	2	50	**1813070000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
ITA 2		25	**1821210000**
ITA 2/ZA		25	**1821220000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 2.5		100	**1848230000**
WS 10/6			

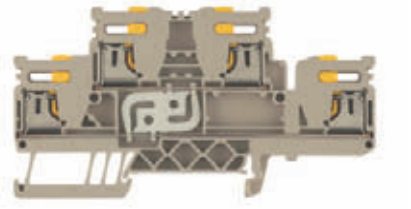
Feed-through terminals

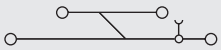
When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		IDK 1.5N	IDK 1.5N/V
		1.5 mm²	1.5 mm²
width x length x height with TS 35 x 7.5	mm	**5.1** x 100 x 54	**5.1** x 100 x 54
max. current / max. cond. cross-section	A/mm²	**/ 1.5**	**17.5 / 1.5**
max. clamping range	mm²	**0.21 ... 1.5**	**0.21 ... 1.5**









Technical data

		IDK 1.5N				IDK 1.5N/V			
		IEC 60947-7-1 / IEC 60352-4			Ex e II II 2 G D	IEC 60947-7-1 / IEC 60352-4			Ex e II II 2 G D
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage	V	500	300	300	275	500	300	300	275
Rated current	A	17.5	10	10	15	17.5	10	10	15
Rated cross-section	mm²	1.5	AWG 24... 16	AWG 24... 16	1.5	1.5	AWG 24... 16	AWG 24... 16	1.5
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals					KEMA 02ATEX2241 U				KEMA 02ATEX2241 U
Clamped conductors (H05V/H07V)		**Rated connection**		**further connection**		**Rated connection**		**further connection**	
Solid / stranded	mm²	0.21...1.5				0.21...1.5			
Flexible / Flexible with wire end ferrule	mm²	0.21...1.5				0.21...1.5			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	/ 0.6 x 3.5				/ 0.6 x 3.5			
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5				Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

Ordering data

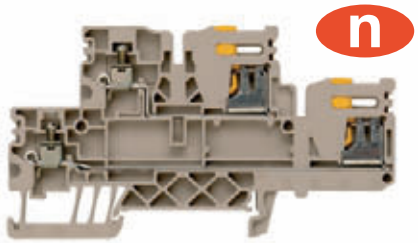
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	IDK 1.5N	50	**1792650000**	IDK 1.5N/V	50	**1792680000**
	blue Wemid	IDK 1.5N BL	50	**1792660000**			
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24	60	**1608860000**	ZQV 2.5/2	24	60	**1608860000**
	3-pole	ZQV 2.5/3	24	60	**1608870000**	ZQV 2.5/3	24	60	**1608870000**
	4-pole	ZQV 2.5/4	24	60	**1608880000**	ZQV 2.5/4	24	60	**1608880000**
	10-pole	ZQV 2.5/10	24	20	**1608940000**	ZQV 2.5/10	24	20	**1608940000**
	20-/24-pole	ZQV 2.5/20	24	20	**1908960000**	ZQV 2.5/20	24	20	**1908960000**
End plate / Partition plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	IAP 1.5N/DK	2	50	**1792520000**	IAP 1.5N/DK	2	50	**1792520000**
	blue Wemid	IAP 1.5N/DK BL	2	50	**1792530000**	IAP 1.5N/DK BL	2	50	**1792530000**
End bracket			**width [mm]**				**width [mm]**		
	dark beige Wemid	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Test adapter									
For testing wired terminal strips	Standard	ITA 1		25	**1803800000**	ITA 1		25	**1803800000**
	with spigot	ITA 1/ZA		25	**1803810000**	ITA 1/ZA		25	**1803810000**
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves									
	for conductors < 0.5 mm / AWG 20	IRH 1.5		100	**1804510000**	IRH 1.5		100	**1804510000**
	for conductors < 1.0 mm / AWG 18								
Cover									
	with lightning flash symbol	IAD 1/4 GE MIT BLITZ		20	**1805500000**	IAD 1/4 GE MIT BLITZ		20	**1805500000**
	blank	IAD 1/4 GE Neutral		20	**1818420000**	IAD 1/4 GE Neutral		20	**1818420000**
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

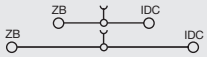
Feed-through hybrid terminals

IDK 1.5N/ZB **1.5 mm²**



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

width x length x height with TS 35 x 7.5	mm	**5.1** x 95.5
max. current / max. cond. cross-section	A/mm²	**/ 1.5**
max. clamping range	mm²	**0.21 ... 1.5**



Technical data

IEC 60947-7-1 / IEC 60352-4

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300	
Rated current	A	17.5	10	10	
Rated cross-section	mm²	1.5	AWG 24... 16	AWG 24... 16	
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			/ V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	0.21...1.5	0.5...4
Flexible / Flexible with wire end ferrule	mm²	0.21...1.5	0.5...4 / 0.5...2.5
Tightening torque range (clamping screw)	Nm		0.4...0.6 Nm / M 2.5
Stripping length / Blade size	mm / -		10 / 0.6 x 3.5

Note	
	Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	IDK 1.5N/ZB	50	**1891950000**
blue Wemid	IDK 1.5N/ZB BL	50	**1896720000**

Note	
	PE terminal IDK 1.5N/ZB PE: 1891970000; 4 connections at one potential with IDK 1.5N/ZB V: 1891960000

Accessories

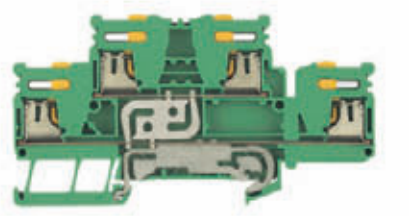
Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	**1608860000**
3-pole	ZQV 2.5/3	24	60	**1608870000**
4-pole	ZQV 2.5/4	24	60	**1608880000**
10-pole	ZQV 2.5/10	24	20	**1608940000**
20-/24-pole	ZQV 2.5/20	24	20	**1908960000**
End plate / Partition plate		**width [mm]**		
dark beige Wemid	IAP 1.5N/DK-ZB	2	50	**1896710000**
blue Wemid	IAP 1.5N/DK-ZB BL	2	50	**1896730000**
End bracket		**width [mm]**		
dark beige Wemid	WEW-35/2	8	100	**1061200000**
Test adapter				
For testing wired terminal strips Standard	ITA 1		25	**1803800000**
with spigot	ITA 1/ZA		25	**1803810000**
Screwdrivers				
with cutting device "swifty set"	SWIFTY SET		1	**9006060000**
Standard	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves				
for conductors < 0.5 mm / AWG 20	IRH 1.5		100	**1804510000**
for conductors < 1.0 mm / AWG 18				
Cover				
with lightning flash symbol	IAD 1/4 GE MIT BLITZ		20	**1805500000**
blank				
Labelling systems (see large assortment in catalogue 7)				
Marking tags				
For detailed information on other accessories and applications see "Accessories"				

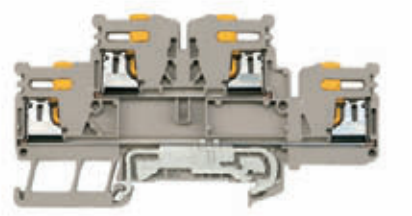
Double level terminals

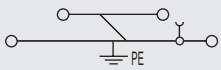
Modular PE terminals

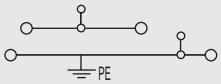
When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		IDK 1.5N/PE	1.5 mm²	IDK 1.5N DU-PE	1.5 mm²
width x length x height with TS 35 x 7.5	mm	**5.1** x 100 x 54		**5.1** x 100 x 54	
max. current / max. cond. cross-section	A/mm²	**/ 1.5**		**17.5 / 1.5**	
max. clamping range	mm²	**0.21 ... 1.5**		**0.21 ... 1.5**	









Technical data

		IDK 1.5N/PE	IDK 1.5N DU-PE
		IEC 60947-7-2 / IEC 60352-4	IEC 60947-7-1 / IEC 60352-4;IEC 60947-7-2 / IEC 60352-4
		Ex e II II 2 G D	
Rated data		**IEC / UL / CSA / EN 60079-7**	**IEC / UL / CSA / EN 60079-7**
Rated cross-section	mm²	1.5 / AWG 24… 16 / AWG 24… 16 / 1.5	1.5 / AWG 24… 16 / AWG 24… 16 / 1.5
Rated voltage to adjacent termianl	V	500	500
Rated impulse withstand voltage to adjacent terminal	kV	6	6
Short-time withstand current	A		
Pollution severity		3	3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals		KEMA 02ATEX2241 U	KEMA 02ATEX2241 U
Clamped conductors (H05V/H07V)		**Rated connection / further connection**	**Rated connection / further connection**
Solid / stranded	mm²	0.21…1.5	0.21…1.5
Flexible / Flexible with wire end ferrule	mm²	0.21…1.5	0.21…1.5
Tightening torque range (clamping screw)	Nm		
Tightening torque range (fixing screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²		
Flexible / Flexible with wire end ferrule	mm²		
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5	Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

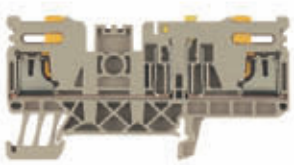
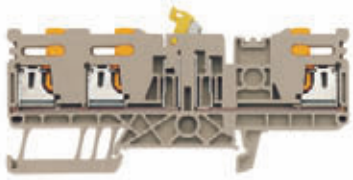
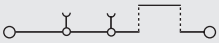
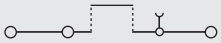
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	green/yellow Wemid	IDK 1.5N PE	50	**1792690000**	IDK 1.5N DU-PE	50	**1881610000**
Note							

Accessories

		Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate									
	dark beige Wemid	IAP 1.5N/DK	2	50	**1792520000**	IAP 1.5N/DK	2	50	**1792520000**
End bracket			**width [mm]**				**width [mm]**		
	dark beige / beige	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Testing / Checking									
For testing wired terminal strips	Standard	ITA 1		25	**1803800000**	ITA 1		25	**1803800000**
	with spigot	ITA 1/ZA		25	**1803810000**	ITA 1/ZA		25	**1803810000**
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY		1	**9006020000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	**1804510000**	IRH 1.5		100	**1804510000**
	for conductors < 1.0 mm² / < AWG 18								
PEN jumper									
Inserted into TN-S distributor between N and PE terminals									
Marking systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

Modular disconnect terminals

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

		ITR 1.5N 1.5 mm²	ITR 1.5N/3AN 1.5 mm²
			
width x length x height with TS 35 x 7.5	mm	**5.1** x 78.8 x 46.5	**5.1** x 93.5 x 46.5
max. current / max. cond. cross-section	A/mm²	**16 / 1.5** 	**/ 1.5** 
max. clamping range	mm²	**0.21 ... 1.5**	**0.21 ... 1.5**

Technical data

		ITR 1.5N				ITR 1.5N/3AN			
		IEC 60947-7-1 / IEC 60352-4 / VDE 0100-537				IEC 60947-7-1 / IEC 60352-4 / VDE 0100-537			
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage, feed-through terminal	V	400	300	300		400	300	300	
Rated current	A	16	10	10		16	10	10	
Rated cross-section	mm²	1.5	AWG 24... 16	AWG 24... 16		1.5	AWG 24... 16	AWG 24... 16	
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / stranded	mm²	0.21...1.5				0.21...1.5			
Flexible / Flexible with wire end ferrule	mm²	0.21...1.5				0.21...1.5			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	/ 0.6 x 3.5				/ 0.6 x 3.5			
2 clamped cables with same cross-section (H05V/H07V)									
Solid / stranded	mm²								
Flexible / Flexible with wire end ferrule	mm²								
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5				Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

Ordering data

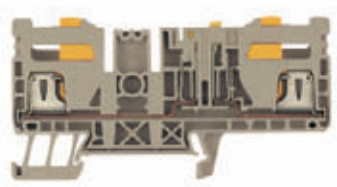
Version	ITR 1.5N Type	Qty.	Order No.	ITR 1.5N/3AN Type	Qty.	Order No.
dark beige Wemid	ITR 1.5N	100	**1792630000**	ITR 1.5N/3AN	100	**1812510000**
blue Wemid	ITR 1.5N BL	100	**1792670000**	ITR 1.5N/3AN BL	100	**1812520000**
without disconnector, dark beige Wemid	ITR 1.5N O.TNHE	100	**1814160000**			
Note						

Accessories

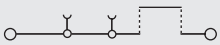
		ITR 1.5N Type	Current [A]	Qty.	Order No.	ITR 1.5N/3AN Type	Current [A]	Qty.	Order No.
Cross-connection, pluggable									
	2-pole	ZQV 2.5/2	24	60	**1608860000**	ZQV 2.5/2	24	60	**1608860000**
	3-pole	ZQV 2.5/3	24	60	**1608870000**	ZQV 2.5/3	24	60	**1608870000**
	4-pole	ZQV 2.5/4	24	60	**1608880000**	ZQV 2.5/4	24	60	**1608880000**
	10-pole	ZQV 2.5/10	24	20	**1608940000**	ZQV 2.5/10	24	20	**1608940000**
End plate / Partition plate			**width [mm]**				**width [mm]**		
End plate	dark beige Wemid	IAP 1.5N/3AN	2	50	**1792450000**	IAP 1.5N/4AN	2	50	**1792470000**
Partition plate	dark beige Wemid								
End bracket			**width [mm]**				**width [mm]**		
	dark beige	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Screwdrivers									
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Test plug									
	Plug dia. 2.3 mm								
Holder for cartridge fuse, 5 x 20mm									
	400 V ac/dc, without LED	SIHA 3/G20		25	**7921560000**	SIHA 3/G20		25	**7921560000**
	10-36 V ac/dc, red LED	SIHA 3/G20/LD 10-36V		25	**7921560000**	SIHA 3/G20/LD 10-36V		25	**7921560000**
	140-250V ac/dc, red LED	SIHA 3/G20/LD 140-250V		25	**7921560000**	SIHA 3/G20/LD 140-250V		25	**7921560000**
Module connector (max. 250 V)									
reversed insertion possible	without fittings	BEST		50	**1833100000**	BEST		50	**1833100000**
	with wire jumper	BEST/DRBR		50	**1878570000**	BEST/DRBR		50	**1878570000**
	with 1N4007 diode	BEST/D		50	**1878560000**	BEST/D		50	**1878560000**
Disconnecting plug									
	yellow Wemid	TNST		50	**1833090000**	TNST		50	**1833090000**
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"						To cross-connect to other IDC2 terminals use QVAR1 (see Accessories)			

ITR 2.5N

2.5 mm²



6.1 x 87.9 x 49.5
/ 2.5
0.5 ... 2.5



IEC 60947-7-1 / IEC 60352-4 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
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			

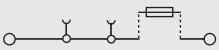
Type	Qty.	Order No.
ITR 2.5N	100	**1812990000**
ITR 2.5N BL	100	**1813000000**
ITR 2.5N O.TNHE	100	**1820500000**

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

Fuse terminals

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

		ITR 1.5N/SI 1.5 mm²	ITR 1.5N/3AN/SI 1.5 mm²
width x length x height with TS 35 x 7.5	mm	**5.1** x 78.5 x 88.5	**5.1** x 93.5 x 88.8
max. current / max. cond. cross-section	A/mm²	**17.5 / 1.5**	**/ 1.5**
max. clamping range	mm²	**0.21 ... 1.5**	**0.21 ... 1.5**



Technical data

IEC 60947-7-1 / IEC 60352-4 / VDE 0100-537

Rated data		ITR 1.5N/SI IEC	UL	CSA	EN 60079-7	ITR 1.5N/3AN/SI IEC	UL	CSA	EN 60079-7
Rated voltage, adjacent terminal	V	250	300	300		250	300	300	
Rated current	A	6.3	6.3	6.3		6.3	6.3	6.3	
Rated cross-section	mm²	1.5	AWG 24... 16	AWG 24... 16		1.5	AWG 24... 16	AWG 24... 16	
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / stranded	mm²	0.21...1.5				0.21...1.5			
Flexible / Flexible with wire end ferrule	mm²	0.21...1.5				0.21...1.5			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	/ 0.6 x 3.5				/ 0.6 x 3.5			
2 clamped cables with same cross-section (H05V/H07V)									
Solid / stranded	mm²								
Flexible / Flexible with wire end ferrule	mm²								
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5; max. power loss (1.6 W) at cartridge fuse limits rated current of terminal.				Conductor < 0.5 mm² / AWG 24 with IRH 1.5; max. power loss (1.6 W) at cartridge fuse limits rated current of terminal.			

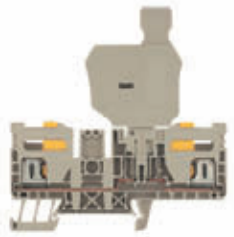
Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige Wemid	400 V ac/dc, without LED	ITR 1.5N SI	25	**1792640000**	ITR 1.5N/3AN SI	25	**1820390000**
	10-36 V ac/dc, with LED						
	30-70V ac/dc, with LED						
	60-150 V ac/dc, with LED						
	140-250V ac/dc, with LED						
Note							

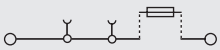
Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24 A	60	**1608860000**	ZQV 2.5/2	24 A	60	**1608860000**
	3-pole	ZQV 2.5/3	24 A	60	**1608870000**	ZQV 2.5/3	24 A	60	**1608870000**
	4-pole	ZQV 2.5/4	24 A	60	**1608880000**	ZQV 2.5/4	24 A	60	**1608880000**
	10-pole	ZQV 2.5/10	24 A	20	**1608940000**	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate (after last terminal)			**width [mm]**				**width [mm]**		
	End plate, Wemid	IAP 1.5N/3AN	2	50	**1792450000**	IAP 1.5N/4AN	2	50	**1792470000**
	Partition plate, Wemid								
Screwdrivers									
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
		SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
Cartridge fuse, 5 x 20mm (IEC 60127-2)									
Rated voltage 250 V	0.25 A quick-blow	G 20/0.25A/F		10	**0430500000**	G 20/0.25A/F		10	**0430500000**
Rated breaking capacity 1500 A	0.5 A quick-blow	G 20/0.5A/F		10	**0430600000**	G 20/0.5A/F		10	**0430600000**
(at 250V / 50Hz / cos j = 0.7)	1 A quick-blow	G 20/1A/F		10	**0430700000**	G 20/1A/F		10	**0430700000**
	2 A quick-blow	G 20/2A/F		10	**0430900000**	G 20/2A/F		10	**0430900000**
G25 with indicator / imperial fuse									
G25 (DIN 41 576 / 250V)	0.5 A medium time-lag / 2 A								
Rated voltage 250 V	1 A medium time-lag / 3 A								
Imperial fuse, 1/4 x 1 1/4	2 A quick-blow / 5A								
Rated voltage 440 V	4 A quick-blow /10 A								
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"						To cross-connect to other IDC2 terminals use QVAR1 (1836370000)			

ITR 2.5N/SI — 2.5 mm²



6.1 x 87.9 x 92.5
/ 2.5
0.21 ... 2.5



IEC 60947-7-1 / IEC 60352-4 / VDE 0100-537

IEC	UL	CSA	EN 60079-7
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			

Type	Qty.	Order No.
ITR 2.5N SI	25	**1813010000**

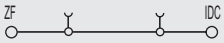
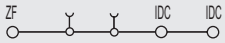
Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Type	Current [A]	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 [mm]		
IAP 2.5N	2	50	**1813020000**
SD 0.6x3.5x100		1	**9008330000**
SWIFTY SET		1	**9006060000**
G 20/0.25A/F		10	**0430500000**
G 20/0.5A/F		10	**0430600000**
G 20/1A/F		10	**0430700000**
G 20/2A/F		10	**0430900000**
WS 10/6			

Hybrid modular terminals

Feed-through terminals

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

		IDU 1.5N/ZF	1.5 mm²	IDU 1.5N/ZF/3AN	1.5 mm²
width x length x height with TS 35 x 7.5	mm	**5.1** x 59.5 x 40.5		**5.1** x 78.5 x 40.5	
max. current / max. cond. cross-section	A/mm²	**/ 1.5**		**/ 1.5**	
max. clamping range	mm²	**0.21 ... 1.5**		**0.21 ... 1.5**	

Technical data

		IDU 1.5N/ZF				IDU 1.5N/ZF/3AN			
		IEC 60947-7-1 / IEC 60352-4			Ex e II II 2 G D	IEC 60947-7-1 / IEC 60352-4			Ex e II II 2 G D
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage	V	500	300	300	275	500	300	300	275
Rated current	A	17.5	10	10	15	17.5	10	10	
Rated cross-section	mm²	1.5	AWG 24... 16	AWG 24... 16	1.5	1.5	AWG 24... 16	AWG 24... 16	1.5
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals					KEMA 02ATEX2241 U				KEMA 02ATEX2241 U
Clamped conductors (H05V/H07V)		**Rated connection**		**further connection**		**Rated connection**		**further connection**	
Solid / stranded	mm²	0.21...1.5		0.5...4		0.21...1.5		0.5...4	
Flexible / Flexible with wire end ferrule	mm²	0.21...1.5		0.5...4 / 0.5...2.5		0.21...1.5		0.5...4 / 0.5...2.5	
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	/ 0.6 x 3.5		10 / 0.6 x 3.5		/ 0.6 x 3.5		10 / 0.6 x 3.5	
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5 32 A continuous current for cross-connection (for supply)				Conductor < 0.5 mm² / AWG 24 with IRH 1.5 32 A continuous current for cross-connection (for supply)			

Ordering data

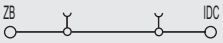
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	IDU 1.5N/ZF	100	**1792700000**	IDU 1.5N/3AN/ZF	100	**1806150000**
	blue Wemid	IDU 1.5N/ZF BL	100	**1792710000**	IDU 1.5N/3AN/ZF BL	100	**1819470000**
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24	60	**1608860000**	ZQV 2.5/2	24	60	**1608860000**
	3-pole	ZQV 2.5/3	24	60	**1608870000**	ZQV 2.5/3	24	60	**1608870000**
	4-pole	ZQV 2.5/4	24	60	**1608880000**	ZQV 2.5/4	24	60	**1608880000**
	10-pole	ZQV 2.5/10	24	20	**1608940000**	ZQV 2.5/10	24	20	**1608940000**
	20-/24-pole	ZQV 2.5/20	24	20	**1908960000**	ZQV 2.5/20	24	20	**1908960000**
End plate / Partition plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	IAP 1.5N	2	50	**1792430000**	IAP 1.5N/3AN	2	50	**1792450000**
	blue Wemid	IAP 1.5N BL	2	50	**1792440000**	IAP 1.5N/3AN BL	2	50	**1792460000**
End bracket			**width [mm]**				**width [mm]**		
	dark beige Wemid	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Test adapter									
For testing wired terminal strips	Standard	ITA 1		25	**1803800000**	ITA 1		25	**1803800000**
	with spigot	ITA 1/ZA		25	**1803810000**	ITA 1/ZA		25	**1803810000**
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves									
	for conductors < 0.5 mm / AWG 20	IRH 1.5		100	**1804510000**	IRH 1.5		100	**1804510000**
	for conductors < 1.0 mm / AWG 18								
Cover									
	with lightning flash symbol	IAD 1/4 GE MIT BLITZ		20	**1805500000**	IAD 1/4 GE MIT BLITZ		20	**1805500000**
	blank	IAD 1/4 GE Neutral		20	**1818420000**	IAD 1/4 GE Neutral		20	**1818420000**
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

IDU 1.5N/ZB — 1.5 mm²

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

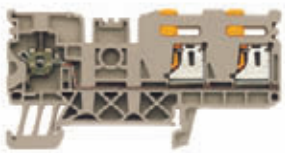
Rated connection	further connection
0.21...1.5	0.5...4
0.21...1.5	0.5...4 / 0.5...2.5
	0.4...0.6 Nm / M 2.5
/ 0.6 x 3.5	10 / 0.6 x 3.5

Conductor < 0.5 mm² / AWG 24 with IRH 1.5
32 A continuous current for cross-connection (for supply)

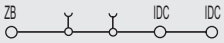
Type	Qty.	Order No.
IDU 1.5N/ZB	100	**1792730000**
IDU 1.5N/ZB BL	100	**1792740000**

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

IDU 1.5N/ZB/3AN — 1.5 mm²



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	
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 / M 2.5
/ 0.6 x 3.5	10 / 0.6 x 3.5

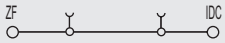
Conductor < 0.5 mm² / AWG 24 with IRH 1.5
32 A continuous current for cross-connection (for supply)

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

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

IDU 2.5N/ZF — 2.5 mm²

6.1 x 66.4 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	10 / 0.6 x 3.5

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

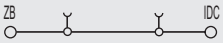
Type	Current [A]	Qty.	Order No.
ZQV 4/2 GE	32	60	**1608950000**
ZQV 4/3 GE	32	60	**1608960000**
ZQV 4/4 GE	32	60	**1608970000**
ZQV 4/10 GE	32	20	**1609030000**
ZQV 4/20 GE	32	20	**1909010000**
	width [mm]		
IAP 2.5N	2	50	**1813020000**
IAP 2.5N BL	2	50	**1813030000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
ITA 2		25	**1821210000**
ITA 2/ZA		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			

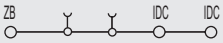
Hybrid modular terminals

Feed-through terminals

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

		IDU 2.5N/ZB 2.5 mm²	IDU 2.5N/3AN/ZB 2.5 mm²
width x length x height with TS 35 x 7.5	mm	**6.1** x 66.4 x 45.6	**6.1** x 87.9 x 45.6
max. current / max. cond. cross-section	A/mm²	**/ 2.5**	**/ 2.5**
max. clamping range	mm²	**0.5 ... 2.5**	**0.5 ... 2.5**





Technical data

		IDU 2.5N/ZB				IDU 2.5N/3AN/ZB			
		IEC 60947-7-1 / IEC 60352-4			Ex e II II 2 G D	IEC 60947-7-1 / IEC 60352-4			Ex e II II 2 G D
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage	V	800	600	600	550	800	600	600	550
Rated current	A	24	15	15	21	24	15	15	21
Rated cross-section	mm²	2.5	AWG 20... 14	AWG 20... 14	2.5	2.5	AWG 20... 14	AWG 20... 14	2.5
Rated impulse withstand voltage / Pollution severity	kV/-	8 / 3				8 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals					DEMKO 03ATEX134054U				DEMKO 03ATEX134054U
Clamped conductors (H05V/H07V)		**Rated connection**		**further connection**		**Rated connection**		**further connection**	
Solid / stranded	mm²	0.5...2.5		0.5...6		0.5...2.5		0.5...6	
Flexible / Flexible with wire end ferrule	mm²	0.5...2.5		0.5...6 / 0.5...4		0.5...2.5		0.5...6 / 0.5...4	
Tightening torque range (clamping screw)	Nm			0.5...0.8 Nm				0.5...0.8 Nm	
Stripping length / Blade size	mm / -	/ 0.6 x 3.5		13 / 0.6 x 3.5		/ 0.6 x 3.5		13 / 0.6 x 3.5	
Note									

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	IDU 2.5N/ZB	100	**1821290000**	IDU 2.5N/3AN/ZB	100	**1848300000**
	blue Wemid	IDU 2.5N/ZB BL	100	**1821300000**	IDU 2.5N/3AN/ZB BL	100	**1848310000**
Note							

Accessories

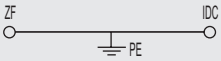
		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
Cross-connection, pluggable									
	2-pole	ZQV 4/2 GE	32	60	**1608950000**	ZQV 4/2 GE	32	60	**1608950000**
	3-pole	ZQV 4/3 GE	32	60	**1608960000**	ZQV 4/3 GE	32	60	**1608960000**
	4-pole	ZQV 4/4 GE	32	60	**1608970000**	ZQV 4/4 GE	32	60	**1608970000**
	10-pole	ZQV 4/10 GE	32	20	**1609030000**	ZQV 4/10 GE	32	20	**1609030000**
	20-/24-pole	ZQV 4/20 GE	32	20	**1909010000**	ZQV 4/20 GE	32	20	**1909010000**
End plate / Partition plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	IAP 2.5N	2	50	**1813020000**	IAP 2.5N/3AN	2	50	**1813040000**
	blue Wemid	IAP 2.5N BL	2	50	**1813030000**	IAP 2.5N/3AN BL	2	50	**1813050000**
End bracket			**width [mm]**				**width [mm]**		
	dark beige Wemid	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Test adapter									
For testing wired terminal strips	Standard	ITA 2		25	**1821210000**	ITA 2		25	**1821210000**
	with spigot	ITA 2/ZA		25	**1821220000**	ITA 2/ZA		25	**1821220000**
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves									
	for conductors < 0.5 mm / AWG 20								
	for conductors < 1.0 mm / AWG 18	IRH 2.5		100	**1848230000**	IRH 2.5		100	**1848230000**
Cover									
	with lightning flash symbol	IAD 2/4 GE MIT BLITZ		20	**1828420000**	IAD 2/4 GE MIT BLITZ		20	**1828420000**
	blank	IAD 2/4 GE NEUTRAL		20	**1828430000**	IAD 2/4 GE NEUTRAL		20	**1828430000**
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/6				WS 10/6			
For detailed information on other accessories and applications see "Accessories"									

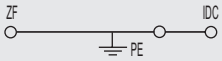
Modular PE terminals

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

		IPE 1.5N/ZF	IPE 1.5N/ZF/3AN
		1.5 mm²	1.5 mm²

		IPE 1.5N/ZF	IPE 1.5N/ZF/3AN
width x length x height with TS 35 x 7.5	mm	**5.1** x 59.5 x 40.5	**5.1** x 78.5 x 40.5
max. current / max. cond. cross-section	A/mm²	**/ 1.5**	**/ 1.5**
max. clamping range	mm²	**0.21 ... 1.5**	**0.21 ... 1.5**





Technical data

		IPE 1.5N/ZF	IPE 1.5N/ZF/3AN
		IEC 60947-7-2 / IEC 60352-4 — Ex e II / II 2 G D	IEC 60947-7-2 / IEC 60352-4 — Ex e II / II 2 G D
Rated data			
		IEC / UL / CSA / EN 60079-7	**IEC / UL / CSA / EN 60079-7**
Rated cross-section	mm²	1.5 / AWG 24… 16 / AWG 24… 16 / 1.5	1.5 / AWG 24… 16 / AWG 24… 16 / 1.5
Rated voltage to adjacent terminal	V	500	500
Rated impulse withstand voltage to adjacent terminal	kV	6	6
Short-time withstand current	A		
Pollution severity		3	3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals		KEMA 02ATEX2241 U	KEMA 02ATEX2241 U
Clamped conductors (H05V/H07V)		**Rated connection / further connection**	**Rated connection / further connection**
Solid / stranded	mm²	0.21…1.5 / 0.5…4	0.21…1.5 / 0.5…4
Flexible / Flexible with wire end ferrule	mm²	0.21…1.5 / 0.5…4 / 0.5…2.5	0.21…1.5 / 0.5…4 / 0.5…2.5
Tightening torque range (clamping screw)	Nm		
Tightening torque range (fixing screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5 / 10 / 0.6 x 3.5	/ 0.6 x 3.5 / 10 / 0.6 x 3.5
2 clamped cables with same cross-section (H05V/H07V)			
Solid / stranded	mm²		
Flexible / Flexible with wire end ferrule	mm²		
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5	Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	green/yellow Wemid	IPE 1.5N/ZF	100	**1792720000**	IPE 1.5N/3AN/ZF	100	**1806140000**
Note							

Accessories

		Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate	dark beige Wemid	IAP 1.5N	2	50	**1792430000**	IAP 1.5N/3AN	2	50	**1792450000**
End bracket	dark beige / beige	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Testing / Checking									
For testing wired terminal strips	Standard	ITA 1		25	**1803800000**	ITA 1		25	**1803800000**
	with spigot	ITA 1/ZA		25	**1803810000**	ITA 1/ZA		25	**1803810000**
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	**1804510000**	IRH 1.5		100	**1804510000**
	for conductors < 1.0 mm² / < AWG 18								
PEN jumper									
Inserted into TN-S distributor between N and PE terminals									
Marking systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

Modular PE terminals

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

		IPE 1.5N/ZB	1.5 mm²	IPE 1.5N/ZB/3AN	1.5 mm²
width x length x height with TS 35 x 7.5	mm	**5.1** x 59.5 x 40.5		**5.1** x 78.5 x 40.5	
max. current / max. cond. cross-section	A/mm²	**/ 1.5**	ZB IDC PE	**/ 1.5**	ZB IDC PE
max. clamping range	mm²	**0.21 ... 1.5**		**0.21 ... 1.5**	

Technical data

		IPE 1.5N/ZB				IPE 1.5N/ZB/3AN			
		IEC 60947-7-2 / IEC 60352-4			Ex e II II 2 G D	IEC 60947-7-2 / IEC 60352-4			Ex e II II 2 G D
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated cross-section	mm²	1.5	AWG 24… 16	AWG 24… 16	1.5	1.5	AWG 24… 16	AWG 24… 16	1.5
Rated voltage to adjacent terminal	V	500				500			
Rated impulse withstand voltage to adjacent terminal	kV	6				6			
Short-time withstand current	A								
Pollution severity			3				3		
Gauge to IEC 60947-1 / UL94 Flammability class			/ V-0				/ V-0		
Approvals			KEMA 02ATEX2241 U				KEMA 02ATEX2241 U		
Clamped conductors (H05V/H07V)		**Rated connection**		**further connection**		**Rated connection**		**further connection**	
Solid / stranded	mm²	0.21…1.5		0.5…4		0.21…1.5		0.5…4	
Flexible / Flexible with wire end ferrule	mm²	0.21…1.5		0.5…4 / 0.5…2.5		0.21…1.5		0.5…4 / 0.5…2.5	
Tightening torque range (clamping screw)	Nm			0.4…0.6 Nm				0.4…0.6 Nm	
Tightening torque range (fixing screw)	Nm								
Stripping length / Blade size	mm / -	/ 0.6 x 3.5		10 / 0.6 x 3.5		/ 0.6 x 3.5		10 / 0.6 x 3.5	
2 clamped cables with same cross-section (H05V/H07V)									
Solid / stranded	mm²								
Flexible / Flexible with wire end ferrule	mm²								
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5				Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

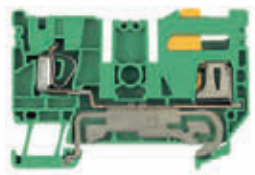
Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	green/yellow Wemid	IPE 1.5N/ZB	100	**1792750000**	IPE 1.5N/3AN/ZB	100	**1806160000**
Note							

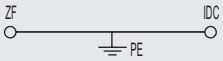
Accessories

		Type	width [mm]	Qty.	Order No.	Type	width [mm]	Qty.	Order No.
End plate	dark beige Wemid	IAP 1.5N	2	50	**1792430000**	IAP 1.5N/3AN	2	50	**1792450000**
End bracket	dark beige / beige	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Testing / Checking									
For testing wired terminal strips	Standard	ITA 1		25	**1803800000**	ITA 1		25	**1803800000**
	with spigot	ITA 1/ZA		25	**1803810000**	ITA 1/ZA		25	**1803810000**
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	**1804510000**	IRH 1.5		100	**1804510000**
	for conductors < 1.0 mm² / < AWG 18								
PEN jumper									
Inserted into TN-S distributor between N and PE terminals									
Marking systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

IPE 2.5N/ZF — 2.5 mm²



6.1 x 66.4 x 45.6
/ 2.5
0.5 ... 2.5



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

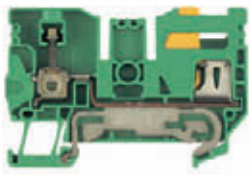
IEC	UL	CSA	EN 60079-7
2.5	AWG 20... 14	AWG 20... 14	2.5
800			
8			
3			
/ V-0			
		DEMKO 03ATEX134054U	

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

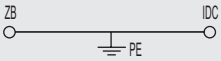
Type	Qty.	Order No.
IPE 2.5N/ZF	100	**1821280000**

Type	width [mm]	Qty.	Order No.
IAP 2.5N	2	50	**1813020000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
ITA 2		25	**1821210000**
ITA 2/ZA		25	**1821220000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 2.5		100	**1848230000**
WS 10/6			

IPE 2.5N/ZB — 2.5 mm²



6.1 x 66.4 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	

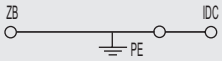
Rated connection	further connection
0.5...2.5	0.5...6
0.5...2.5	0.5...6 / 0.5...4
	0.5...0.8 Nm / M 3
/ 0.6 x 3.5	13 / 0.6 x 3.5

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

Type	width [mm]	Qty.	Order No.
IAP 2.5N	2	50	**1813020000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
ITA 2		25	**1821210000**
ITA 2/ZA		25	**1821220000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 2.5		100	**1848230000**
WS 10/6			

IPE 2.5N/3AN/ZB — 2.5 mm²

6.1 x 87.9 x 45.6
/ 2.5
0.5 ... 2.5



IEC 60947-7-2 / IEC 60352-4

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

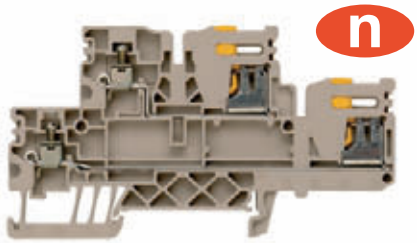
Rated connection	further connection
0.5...2.5	0.5...6
0.5...2.5	0.5...6 / 0.5...4
	0.5...0.8 Nm
/ 0.6 x 3.5	13 / 0.6 x 3.5

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

Type	width [mm]	Qty.	Order No.
IAP 2.5N/3AN	2	50	**1813040000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
ITA 2		25	**1821210000**
ITA 2/ZA		25	**1821220000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 2.5		100	**1848230000**
WS 10/6			

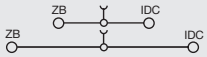
Double level terminals

IDK 1.5N/ZB **1.5 mm²**



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

width x length x height with TS 35 x 7.5	mm	**5.1** x 95.5
max. current / max. cond. cross-section	A/mm²	**/ 1.5**
max. clamping range	mm²	**0.21 ... 1.5**



Technical data

IEC 60947-7-1 / IEC 60352-4

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300	
Rated current	A	17.5	10	10	
Rated cross-section	mm²	1.5	AWG 24… 16	AWG 24… 16	
Rated impulse withstand voltage / Pollution severity	kV/-		6 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			/ V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	further connection
Solid / stranded	mm²	0.21…1.5	0.5…4
Flexible / Flexible with wire end ferrule	mm²	0.21…1.5	0.5…4 / 0.5…2.5
Tightening torque range (clamping screw)	Nm		0.4…0.6 Nm / M 2.5
Stripping length / Blade size	mm / -		10 / 0.6 x 3.5

Note

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Ordering data

Version	Type	Qty.	Order No.
dark beige Wemid	IDK 1.5N/ZB	50	**1891950000**
blue Wemid	IDK 1.5N/ZB BL	50	**1896720000**

Note

PE terminal IDK 1.5N/ZB PE: 1891970000; 4 connections at one potential with IDK 1.5N/ZB V: 1891960000

Accessories

Cross-connection, pluggable	Type	Current [A]	Qty.	Order No.
2-pole	ZQV 2.5/2	24	60	**1608860000**
3-pole	ZQV 2.5/3	24	60	**1608870000**
4-pole	ZQV 2.5/4	24	60	**1608880000**
10-pole	ZQV 2.5/10	24	20	**1608940000**
20-/24-pole	ZQV 2.5/20	24	20	**1908960000**
End plate / Partition plate		**width [mm]**		
dark beige Wemid	IAP 1.5N/DK-ZB	2	50	**1896710000**
blue Wemid	IAP 1.5N/DK-ZB BL	2	50	**1896730000**
End bracket		**width [mm]**		
dark beige Wemid	WEW-35/2	8	100	**1061200000**
Test adapter				
For testing wired terminal strips Standard	ITA 1		25	**1803800000**
with spigot	ITA 1/ZA		25	**1803810000**
Screwdrivers				
with cutting device "swifty set"	SWIFTY SET		1	**9006060000**
Standard	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves				
for conductors < 0.5 mm / AWG 20	IRH 1.5		100	**1804510000**
for conductors < 1.0 mm / AWG 18				
Cover				
with lightning flash symbol	IAD 1/4 GE MIT BLITZ		20	**1805500000**
blank				
Labelling systems (see large assortment in catalogue 7)				
Marking tags				

For detailed information on other accessories and applications see "Accessories"

Pluggable standard terminal featuring IDC technology

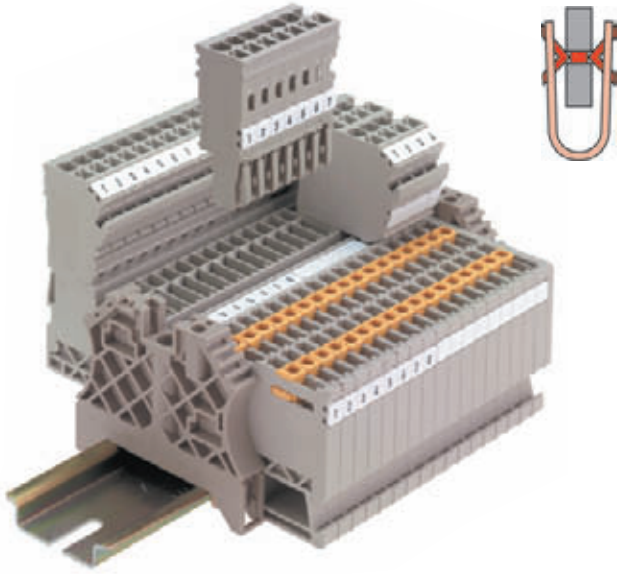
Profit from the amazing benefits of IDC2 technology
quick – secure – compact
in combination with a pluggable standard terminal.

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!

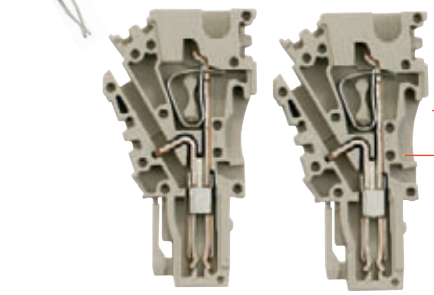
You'll soon be convinced by the benefits of this technology:

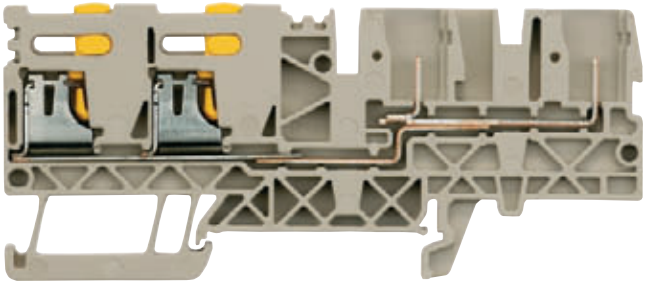
Quick assembly of functional units which can be fully tested in the factory, quickly and easily replaced or reassemble on site.



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

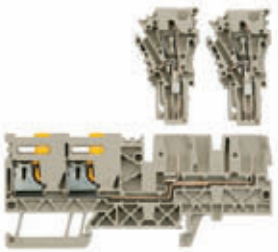
All plug-in units can be locked securely to the terminal strip by means of separate locking elements.

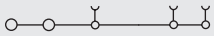
Contact reliability

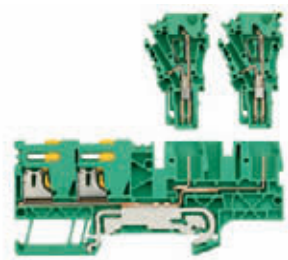
- Maintenance-free connection
- Gas-tight contact area
- 100% vibration-resistant

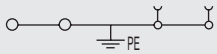
When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

		IT 1.5N/4AN/2	1.5 mm²	ITPE 1.5N/4AN/2	1.5 mm²
width x length x height with TS 35 x 7.5	mm	**5.1** x 93.5 x 40.7		**5.1** x 93.5 x 41.5	
max. current / max. cond. cross-section	A/mm²	**/ 1.5**		**/ 1.5**	
max. clamping range	mm²	**0.21 ... 1.5**		**0.21 ... 1.5**	









Technical data

Rated data		IT 1.5N/4AN/2				ITPE 1.5N/4AN/2			
		IEC 60947-7-1 / IEC 60352-4				IEC 60947-7-2 / IEC 60352-4			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300		500	300	300	
max. voltage of clamp support & pluggable system	V	690							
Rated current	A	17.5	10	10					
Rated cross-section	mm²	1.5	AWG 24... 16	AWG 24... 16		1.5	AWG 24... 16	AWG 24... 16	
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3				6 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals									

Clamped conductors (H05V/H07V)		Rated connection	pluggable connection	Rated connection	pluggable connection
Solid / stranded	mm²	0.21...1.5	0.5...4	0.21...1.5	0.5...4
Flexible / Flexible with wire end ferrule	mm²	0.21...1.5	0.5...4 / 0.5...2.5	0.21...1.5	0.5...4 / 0.5...2.5
Stripping length / Blade size	mm / -	/ 0.6 x 3.5		/ 0.6 x 3.5	
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5		Conductor < 0.5 mm² / AWG 24 with IRH 1.5	

Ordering data

Base terminal		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige Wemid	IT 1.5N/4AN/2	50	**1837250000**	ITPE 1.5N/4AN/2	50	**1837260000**
pluggable connector							
For detailed information on all variations see "Accessories"	1-pole	ZP 2.5/1AN/QV/1	50	**1815190000**	ZP 2.5/1AN/QV/1	50	**1815190000**
	2-pole	ZP 2.5/1AN/QV/2	25	**1815200000**	ZP 2.5/1AN/QV/2	25	**1815200000**
	3-pole	ZP 2.5/1AN/QV/3	25	**1815210000**	ZP 2.5/1AN/QV/3	25	**1815210000**
	4-pole	ZP 2.5/1AN/QV/4	25	**1815220000**	ZP 2.5/1AN/QV/4	25	**1815220000**
	5-pole	ZP 2.5/1AN/QV/5	25	**1815230000**	ZP 2.5/1AN/QV/5	25	**1815230000**
	6-pole	ZP 2.5/1AN/QV/6	25	**1815240000**	ZP 2.5/1AN/QV/6	25	**1815240000**
	8-pole	ZP 2.5/1AN/QV/8	20	**1815260000**	ZP 2.5/1AN/QV/8	20	**1815260000**
	10-pole	ZP 2.5/1AN/QV/10	20	**1815280000**	ZP 2.5/1AN/QV/10	20	**1815280000**
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24	60	**1608860000**				
	3-pole	ZQV 2.5/3	24	60	**1608870000**				
	4-pole	ZQV 2.5/4	24	60	**1608880000**				
	10-pole	ZQV 2.5/10	24	20	**1608940000**				
	20-pole	ZQV 2.5/20	24	20	**1908960000**				
End plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	IAP/TW IT1.5N/4AN	2	50	**1837270000**	IAP/TW IT1.5N/4AN	2	50	**1837270000**
	orange Wemid								
Test adapter									
	Standard	ITA 1		25	**1803800000**	ITA 1		25	**1803800000**
	with spigot	ITA 1/ZA		25	**1803810000**	ITA 1/ZA		25	**1803810000**
Miscellaneous accessories, WeiCoS									
	Locking element	ZVR ZP2.5		25	**1816130000**	ZVR ZP2.5		25	**1816130000**
	Coding element	KOSF ZT2.5		50	**1816150000**	KOSF ZT2.5		50	**1816150000**
	Strain relief	ZZE ZP2.5		25	**1816140000**	ZZE ZP2.5		25	**1816140000**
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

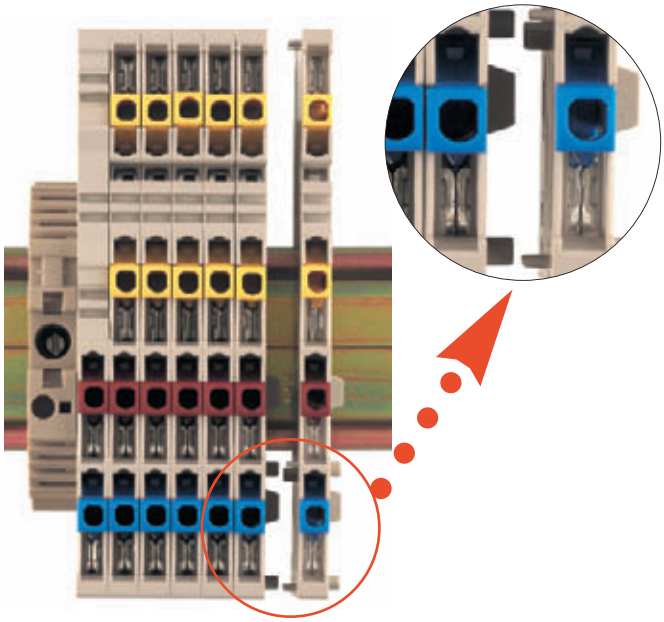
The modular initiator/actuator system with integrated cross-connection – featuring advanced IDC technology

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.

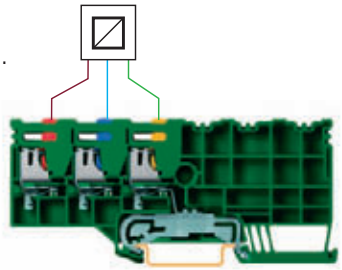
The end plate
End plates enable additional marking of the rows.

The status indication
The signal status can be indicated directly at the terminal.

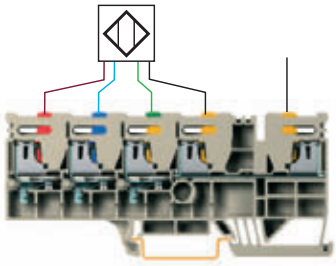


The alternative versions

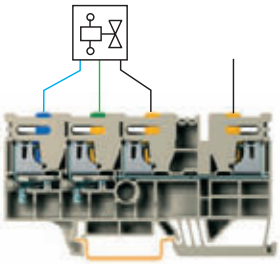
- **Supply terminal**
Supply made easy with additional options for marking.



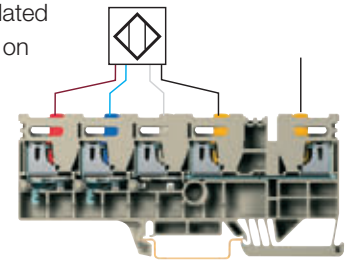
- **Initiator terminal**
Power supply and signal transmission in one terminal; available in a 3- or 4-conductor version.



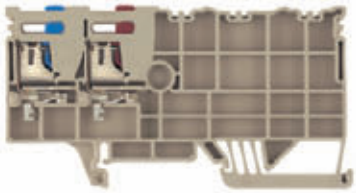
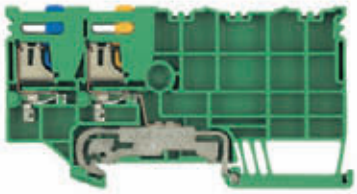
- **Actuator terminal**
Simple connection of actuators.



- **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.



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

	IEK 1.5N 3L	1.5 mm²	IEK 1.5N 3L PE	1.5 mm²
				
width x length x height with TS 35 x 7.5 mm	**5.1** x 93 x 51		**5.1** x 93 x 51	
max. current / max. conductor A/mm²	**/ 1.5**	- ○ + ○	**/ 1.5**	- ○ PE ○
max. clamping range mm²	**0.21 ... 1.5**		**0.21 ... 1.5**	

Technical data

		IEC 60947-7-1 / IEC 60352-4				IEC 60947-7-2 / IEC 60352-4			
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage	V	250	300	300		250	300	300	
Rated current	A	17.5	10	10		17.5	10	10	
Rated cross-section	mm²	1.5	AWG 24... 16	AWG 24... 16		1.5	AWG 24... 16	AWG 24... 16	
Rated impulse withstand voltage / Pollution severity	kV/-		4 / 3				4 / 3		
Gauge to IEC 60947-1 / UL94 Flammability class			/ V-0				/ V-0		
Approvals									
Electronic fittings									
Diode reverse voltage / Diode current	V / A								
voltage LED / current LED / polarity	V / mA / -								
Resistor / Varistor	-/V								
Clamped conductors (H05V/H07V)		**Rated connection**		**further connection**		**Rated connection**		**further connection**	
Solid / stranded	mm²	0.21...1.5				0.21...1.5			
Flexible / Flexible with wire end ferrule	mm²	0.21...1.5				0.21...1.5			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	/ 0.6 x 3.5				/ 0.6 x 3.5			
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5				Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

Ordering data

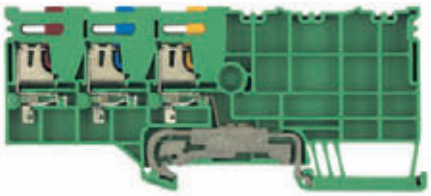
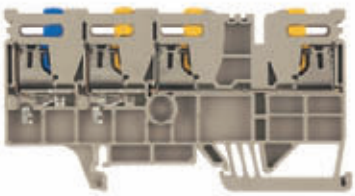
Version		**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
Terminal configuration	dark beige Wemid	IEK 1.5N 3L	25	**1801790000**	IEK 1.5N 3L PE	25	**1801800000**
see circuit diagram above	dark beige Wemid (red LED)						
Note							

Accessories

Cross-connection, pluggable	**Type**	**Current [A]**	**Qty.**	**Order No.**	**Type**	**Current [A]**	**Qty.**	**Order No.**
2-pole								
3-pole								
4-pole								
10-pole								
20-/24-pole								
End plate / Partition plate		**width [mm]**				**width [mm]**		
dark beige Wemid	IAP 1.5N 3L	2	20	**1801770000**	IAP 1.5N 3L	2	20	**1801770000**
End bracket		**width [mm]**				**width [mm]**		
dark beige / beige	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Screwdrivers								
with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves								
for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	**1804510000**	IRH 1.5		100	**1804510000**
for conductors < 1.0 mm² / < AWG 18								
Labelling systems (see large assortment in catalogue 7)								
Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"								

Initiator and actuator terminals

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

		IEK 1.5N 4L PE	1.5 mm²	IAK 1.5N 3L	1.5 mm²
					
width x length x height with TS 35 x 7.5	mm	**5.1** x 112 x 51		**5.1** x 93 x 51	
max. current / max. conductor	A/mm²	**/ 1.5**	+ - PE	**/ 1.5**	- PE
max. clamping range	mm²	**0.21 ... 1.5**		**0.21 ... 1.5**	

Technical data

		IEC 60947-7-2 / IEC 60352-4				IEC 60947-7-1 / IEC 60352-4			
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage	V	250	300	300		250	300	300	
Rated current	A	17.5	10	10		17.5	10	10	
Rated cross-section	mm²	1.5	AWG 24... 16	AWG 24... 16		1.5	AWG 24... 16	AWG 24... 16	
Rated impulse withstand voltage / Pollution severity	kV/-	4 / 3				4 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals									
Electronic fittings									
Diode reverse voltage / Diode current	V / A								
voltage LED / current LED / polarity	V / mA / -								
Resistor / Varistor	-/V								
Clamped conductors (H05V/H07V)		**Rated connection**	**further connection**			**Rated connection**	**further connection**		
Solid / stranded	mm²	0.21...1.5				0.21...1.5			
Flexible / Flexible with wire end ferrule	mm²	0.21...1.5				0.21...1.5			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	/ 0.6 x 3.5				/ 0.6 x 3.5			
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5				Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

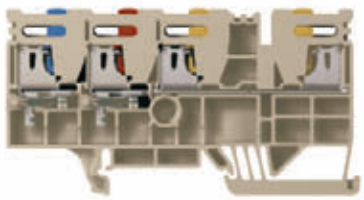
Ordering data

Version		**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
Terminal configuration	dark beige Wemid	IEK 1.5N 4L PE	25	**1801810000**	IAK 1.5N 3L	50	**1801820000**
see circuit diagram above	dark beige Wemid (red LED)						
Note					Base terminal with LED: IAK 1.5N 3L D: 1801830000		

Accessories

Cross-connection, pluggable		**Type**	**Current [A]**	**Qty.**	**Order No.**	**Type**	**Current [A]**	**Qty.**	**Order No.**
	2-pole					ZQV 2.5/2	24	60	**1608860000**
	3-pole					ZQV 2.5/3	24	60	**1608870000**
	4-pole					ZQV 2.5/4	24	60	**1608880000**
	10-pole					ZQV 2.5/10	24	20	**1608940000**
	20-/24-pole					ZQV 2.5/20	24	20	**1908960000**
End plate / Partition plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	IAP 1.5N 4L	2	20	**1801780000**	IAP 1.5N 3L	2	20	**1801770000**
End bracket			**width [mm]**				**width [mm]**		
	dark beige / beige	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	**1804510000**	IRH 1.5		100	**1804510000**
	for conductors < 1.0 mm² / < AWG 18								
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

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	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 24... 16	AWG 24... 16	
4 / 3			
/ V-0			

Rated connection	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

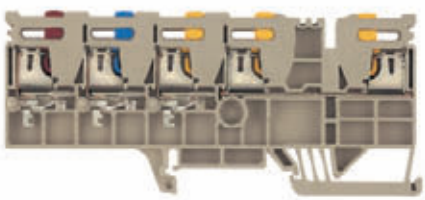
Type	Qty.	Order No.
IIK 1.5N 3L	50	**1801840000**

Base terminal with LED: IIK 1.5N 3L D/PNP 1801850000, IIK 1.5N 3L D/NPN 1801860000

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

WS 10/5

IIK 1.5N 4L — 1.5 mm²



5.1 x 112 x 51
/ 1.5
0.21 ... 1.5

IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 24... 16	AWG 24... 16	
4 / 3			
/ V-0			

Rated connection	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

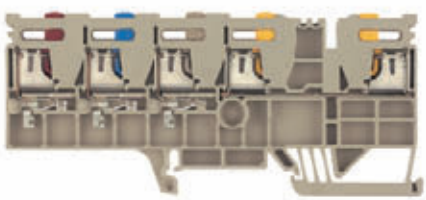
Type	Qty.	Order No.
IIK 1.5N 4L	50	**1801870000**

Base terminal with LED: IIK 1.5N 4L D/PNP 1801880000
IIK 1.5N 3L D/NPN 1801890000

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

WS 10/5

IIK 1.5N 4L PA — 1.5 mm²



5.1 x 112 x 51
/ 1.5
0.21 ... 1.5

IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 24... 16	AWG 24... 16	
4 / 3			
/ V-0			

Rated connection	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

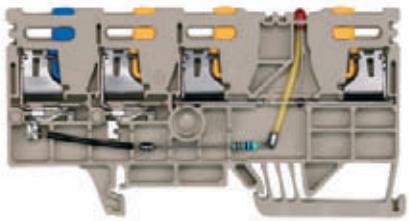
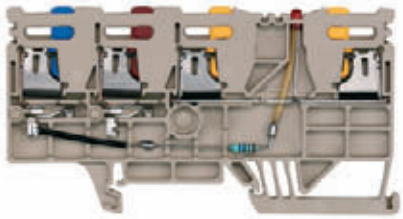
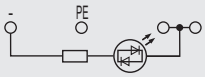
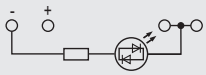
Type	Qty.	Order No.
IIK 1.5N 4L PA	50	**1801900000**

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

WS 10/5

Initiator and actuator terminals

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

		IAK 1.5N 3L D	1.5 mm²	IIK 1.5N 3L D/PNP	1.5 mm²
					
width x length x height with TS 35 x 7.5	mm	**5.1** x 93 x 51		**5.1** x 93 x 51	
max. current / max. conductor	A/mm²	**/ 1.5**		**/ 1.5**	
max. clamping range	mm²	**0.21 ... 1.5**		**0.21 ... 1.5**	

Technical data

		IAK 1.5N 3L D				IIK 1.5N 3L D/PNP			
		IEC 60947-7-1 / IEC 60352-4				IEC 60947-7-1 / IEC 60352-4			
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage	V	250	300	300		250	300	300	
Rated current	A	17.5	10	10		17.5	10	10	
Rated cross-section	mm²	1.5	AWG 24... 16	AWG 24... 16		1.5	AWG 24... 16	AWG 24... 16	
Rated impulse withstand voltage / Pollution severity	kV/-	4 / 3				4 / 3			
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0				/ V-0			
Approvals									
Electronic fittings									
Diode reverse voltage / Diode current	V / A								
voltage LED / current LED / polarity	V / mA / -								
Resistor / Varistor	-/V								
Clamped conductors (H05V/H07V)		**Rated connection**		**further connection**		**Rated connection**		**further connection**	
Solid / stranded	mm²	0.21...1.5				0.21...1.5			
Flexible / Flexible with wire end ferrule	mm²	0.21...1.5				0.21...1.5			
Tightening torque range (clamping screw)	Nm								
Stripping length / Blade size	mm / -	/ 0.6 x 3.5				/ 0.6 x 3.5			
Note		Conductor < 0.5 mm² / AWG 24 with IRH 1.5				Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

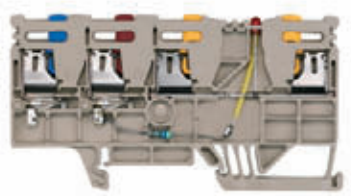
Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	IAK 1.5N 3L D	50	**1801830000**	IIK 1.5N 3L D/PNP	50	**1801850000**
see circuit diagram above	dark beige Wemid (red LED)						
Note							

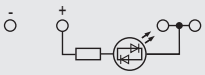
Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole								
	3-pole								
	4-pole								
	10-pole								
	20-/24-pole								
End plate / Partition plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	IAP 1.5N 3L	2	20	**1801770000**	IAP 1.5N 3L	2	20	**1801770000**
End bracket			**width [mm]**				**width [mm]**		
	dark beige / beige	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	**1804510000**	IRH 1.5		100	**1804510000**
	for conductors < 1.0 mm² / < AWG 18								
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"									

IIK 1.5N 3L D/NPN — 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	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 24... 16	AWG 24... 16	
4 / 3			
/ V-0			

Rated connection	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

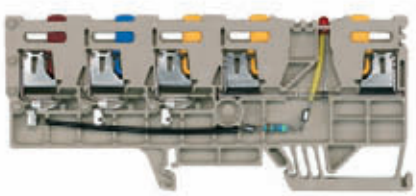
Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty.	Order No.
IIK 1.5N 3L D/NPN	50	**1801860000**

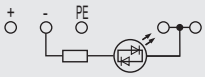
Type	Current [A]	Qty.	Order No.
	width [mm]		
IAP 1.5N 3L	2	20	**1801770000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 1.5		100	**1804510000**

WS 10/5

IIK 1.5N 4L D/PNP — 1.5 mm²



5.1 x 112 x 51
/ 1.5
0.21 ... 1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 24... 16	AWG 24... 16	
4 / 3			
/ V-0			

Rated connection	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

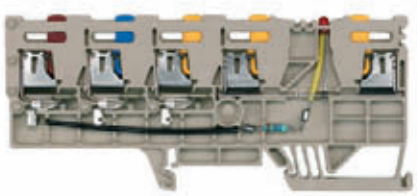
Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty.	Order No.
IIK 1.5N 4L D/PNP	50	**1801880000**

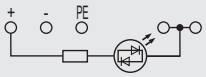
Type	Current [A]	Qty.	Order No.
	width [mm]		
IAP 1.5N 4L	2	20	**1801780000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 1.5		100	**1804510000**

WS 10/5

IIK 1.5N 4L D/NPN — 1.5 mm²



5.1 x 112 x 51
/ 1.5
0.21 ... 1.5



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 24... 16	AWG 24... 16	
4 / 3			
/ V-0			

Rated connection	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

Type	Qty.	Order No.
IIK 1.5N 4L D/NPN	50	**1801890000**

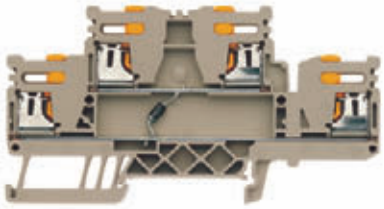
Type	Current [A]	Qty.	Order No.
	width [mm]		
IAP 1.5N 4L	2	20	**1801780000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 1.5		100	**1804510000**

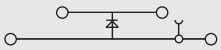
WS 10/5

Terminals with electronic components

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

		IDK 1.5N/D1	IDK 1.5N/D2
		1.5 mm²	1.5 mm²
width x length x height with TS 35 x 7.5	mm	**5.1** x 100 x 54	**5.1** x 100 x 54
max. current / max. conductor	A/mm²	**/ 1.5**	**/ 1.5**
max. clamping range	mm²	**0.21 ... 1.5**	**0.21 ... 1.5**





Technical data

		IDK 1.5N/D1	IDK 1.5N/D2
Rated data		IEC 60947-7-1 / IEC 60352-4	IEC 60947-7-1 / IEC 60352-4
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	500 / 300 / 300	500 / 300 / 300
Rated current	A	10 / 10 / 15	10 / 10 / 15
Rated cross-section	mm²	1.5 / AWG 24… 16 / AWG 24… 16	1.5 / AWG 24… 16 / AWG 24… 16
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals			
Electronic fittings			
Diode reverse voltage / Diode current	V / A		
voltage LED / current LED / polarity	V / mA / -		
Resistor / Varistor	-/V		
Clamped conductors (H05V/H07V)		**Rated connection / further connection**	**Rated connection / further connection**
Solid / stranded	mm²	0.21…1.5	0.21…1.5
Flexible / Flexible with wire end ferrule	mm²	0.21…1.5	0.21…1.5
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
Note		Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A	Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	IDK 1.5N/D1	50	**1820030000**	IDK 1.5N/D2	50	**1820040000**
see circuit diagram above	dark beige Wemid (red LED)						
Note							

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24	60	**1608860000**	ZQV 2.5/2	24	60	**1608860000**
	3-pole	ZQV 2.5/3	24	60	**1608870000**	ZQV 2.5/3	24	60	**1608870000**
	4-pole	ZQV 2.5/4	24	60	**1608880000**	ZQV 2.5/4	24	60	**1608880000**
	10-pole	ZQV 2.5/10	24	20	**1608940000**	ZQV 2.5/10	24	20	**1608940000**
	20-/24-pole	ZQV 2.5/20	24	20	**1908960000**	ZQV 2.5/20	24	20	**1908960000**
End plate / Partition plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	IAP 1.5N/DK	2	50	**1792520000**	IAP 1.5N/DK	2	50	**1792520000**
End bracket			**width [mm]**				**width [mm]**		
	dark beige / beige	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Screwdrivers									
	with cutting device “swifty set”	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	**1804510000**	IRH 1.5		100	**1804510000**
	for conductors < 1.0 mm² / < AWG 18								
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see “Accessories”		Conductor < 0.5 mm² / AWG 24 with IRH 1.5				Conductor < 0.5 mm² / AWG 24 with IRH 1.5			

IDK 1.5N/D4 — 1.5 mm²

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

IEC 60947-7-1 / IEC 60352-4

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

Rated connection	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Type	Qty.	Order No.
IDK 1.5N/D4	50	**1820050000**

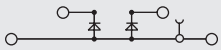
Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	**1608860000**
ZQV 2.5/3	24	60	**1608870000**
ZQV 2.5/4	24	60	**1608880000**
ZQV 2.5/10	24	20	**1608940000**
ZQV 2.5/20	24	20	**1908960000**
	width [mm]		
IAP 1.5N/DK	2	50	**1792520000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 1.5		100	**1804510000**

WS 10/5

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

IDK 1.5N/D5 — 1.5 mm²

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



IEC 60947-7-1 / IEC 60352-4

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

Rated connection	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

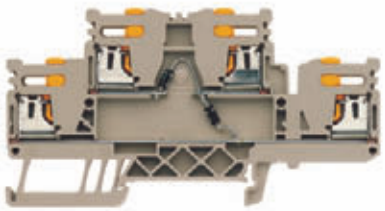
Type	Qty.	Order No.
IDK 1.5N/D5	50	**1820060000**

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	**1608860000**
ZQV 2.5/3	24	60	**1608870000**
ZQV 2.5/4	24	60	**1608880000**
ZQV 2.5/10	24	20	**1608940000**
ZQV 2.5/20	24	20	**1908960000**
	width [mm]		
IAP 1.5N/DK	2	50	**1792520000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 1.5		100	**1804510000**

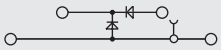
WS 10/5

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

IDK 1.5N/D6 — 1.5 mm²



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



IEC 60947-7-1 / IEC 60352-4

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

Rated connection	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Type	Qty.	Order No.
IDK 1.5N/D6	50	**1820070000**

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	**1608860000**
ZQV 2.5/3	24	60	**1608870000**
ZQV 2.5/4	24	60	**1608880000**
ZQV 2.5/10	24	20	**1608940000**
ZQV 2.5/20	24	20	**1908960000**
	width [mm]		
IAP 1.5N/DK	2	50	**1792520000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 1.5		100	**1804510000**

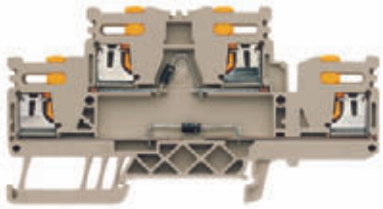
WS 10/5

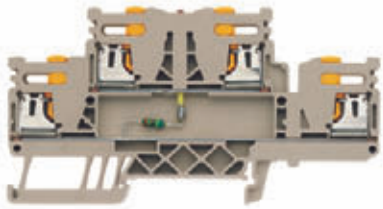
Conductor < 0.5 mm² / AWG 24 with IRH 1.5

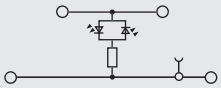
Terminals with electronic components

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

		IDK 1.5N/DX1	IDK 1.5N/LD
		1.5 mm²	1.5 mm²
width x length x height with TS 35 x 7.5	mm	**5.1** x 100 x 54	**5.1** x 100 x 54
max. current / max. conductor	A/mm²	**/ 1.5**	**/ 1.5**
max. clamping range	mm²	**0.21 ... 1.5**	**0.21 ... 1.5**







Technical data

		IDK 1.5N/DX1	IDK 1.5N/LD
Rated data		IEC 60947-7-1 / IEC 60352-4	IEC 60947-7-1 / IEC 60352-4
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	500	500
Rated current	A	10	10
Rated cross-section	mm²	1.5 AWG 24... 16 AWG 24... 16	1.5 AWG 24... 16 AWG 24... 16
Rated impulse withstand voltage / Pollution severity	kV/-	6 / 3	6 / 3
Gauge to IEC 60947-1 / UL94 Flammability class		/ V-0	/ V-0
Approvals			
Electronic fittings			
Diode reverse voltage / Diode current	V / A		
voltage LED / current LED / polarity	V / mA / -		
Resistor / Varistor	-/V		
Clamped conductors (H05V/H07V)		**Rated connection / further connection**	**Rated connection / further connection**
Solid / stranded	mm²	0.21...1.5	0.21...1.5
Flexible / Flexible with wire end ferrule	mm²	0.21...1.5	0.21...1.5
Tightening torque range (clamping screw)	Nm		
Stripping length / Blade size	mm / -	/ 0.6 x 3.5	/ 0.6 x 3.5
Note		Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A	Conductor < 0.5 mm² / AWG 24 with IRH 1.5 Current of LED < 5mA

Ordering data

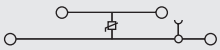
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
Terminal configuration	dark beige Wemid	IDK 1.5N/DX1	50	**1820080000**	IDK 1.5N/LD 150V	50	**1820720000**
see circuit diagram above	dark beige Wemid (red LED)						
Note					IDK 1.5N/LD 36V: 1820090000 IDK 1.5N/LD 250V: 1820730000		

Accessories

Cross-connection, pluggable		Type	Current [A]	Qty.	Order No.	Type	Current [A]	Qty.	Order No.
	2-pole	ZQV 2.5/2	24	60	**1608860000**	ZQV 2.5/2	24	60	**1608860000**
	3-pole	ZQV 2.5/3	24	60	**1608870000**	ZQV 2.5/3	24	60	**1608870000**
	4-pole	ZQV 2.5/4	24	60	**1608880000**	ZQV 2.5/4	24	60	**1608880000**
	10-pole	ZQV 2.5/10	24	20	**1608940000**	ZQV 2.5/10	24	20	**1608940000**
	20-/24-pole	ZQV 2.5/20	24	20	**1908960000**	ZQV 2.5/20	24	20	**1908960000**
End plate / Partition plate			**width [mm]**				**width [mm]**		
	dark beige Wemid	IAP 1.5N/DK	2	50	**1792520000**	IAP 1.5N/DK	2	50	**1792520000**
End bracket			**width [mm]**				**width [mm]**		
	dark beige / beige	WEW-35/2	8	100	**1061200000**	WEW-35/2	8	100	**1061200000**
Screwdrivers									
	with cutting device "swifty set"	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SD 0.6x3.5x100		1	**9008330000**	SD 0.6x3.5x100		1	**9008330000**
Reducing sleeves									
	for conductors < 0.5 mm² / < AWG 20	IRH 1.5		100	**1804510000**	IRH 1.5		100	**1804510000**
	for conductors < 1.0 mm² / < AWG 18								
Labelling systems	(see large assortment in catalogue 7)								
	Marking tags	WS 10/5				WS 10/5			
For detailed information on other accessories and applications see "Accessories"		Conductor < 0.5 mm² / AWG 24 with IRH 1.5							

IDK 1.5N/S07 K140 — 1.5 mm²

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



IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
115	115	115	
10	10	10	
1.5	AWG 24... 16	AWG 24... 16	
	6 / 3		
	/ V-0		

Rated connection	further connection
0.21...1.5	
0.21...1.5	
/ 0.6 x 3.5	

Conductor < 0.5 mm² / AWG 24 with IRH 1.5
Varistor type: S07 K140

Type	Qty.	Order No.
IDK 1.5N/U S07 K140	50	**1820110000**

Type	Current [A]	Qty.	Order No.
ZQV 2.5/2	24	60	**1608860000**
ZQV 2.5/3	24	60	**1608870000**
ZQV 2.5/4	24	60	**1608880000**
ZQV 2.5/10	24	20	**1608940000**
ZQV 2.5/20	24	20	**1908960000**
	width [mm]		
IAP 1.5N/DK	2	50	**1792520000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 1.5		100	**1804510000**

WS 10/5

IDU 2.5N/2X2AN/D+ — 2.5 mm²

6.1 x 105.9 x 45.6
/ 2.5
0.5 ... 2.5

IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
500	300	300	
10			
2.5	AWG 20... 14	AWG 20... 14	
	6 / 3		
	/ V-0		

Rated connection	further connection
0.5...2.5	
0.5...2.5	
/ 0.6 x 3.5	

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A

Type	Qty.	Order No.
IDU 2.5N/2X2AN/D+	50	**1821240000**

Type	Current [A]	Qty.	Order No.
	width [mm]		
IAP 2.5N/4AN	2	50	**1813070000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 2.5		100	**1848230000**

WS 10/6

IDU 2.5N/2X2AN/D- — 2.5 mm²

6.1 x 105.6 x 45.6
/ 2.5
0.5 ... 2.5

IEC 60947-7-1 / IEC 60352-4

IEC	UL	CSA	EN 60079-7
500	300	300	
10			
2.5	AWG 20... 14	AWG 20... 14	
	6 / 3		
	/ V-0		

Rated connection	further connection
0.5...2.5	
0.5...2.5	
/ 0.6 x 3.5	

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A

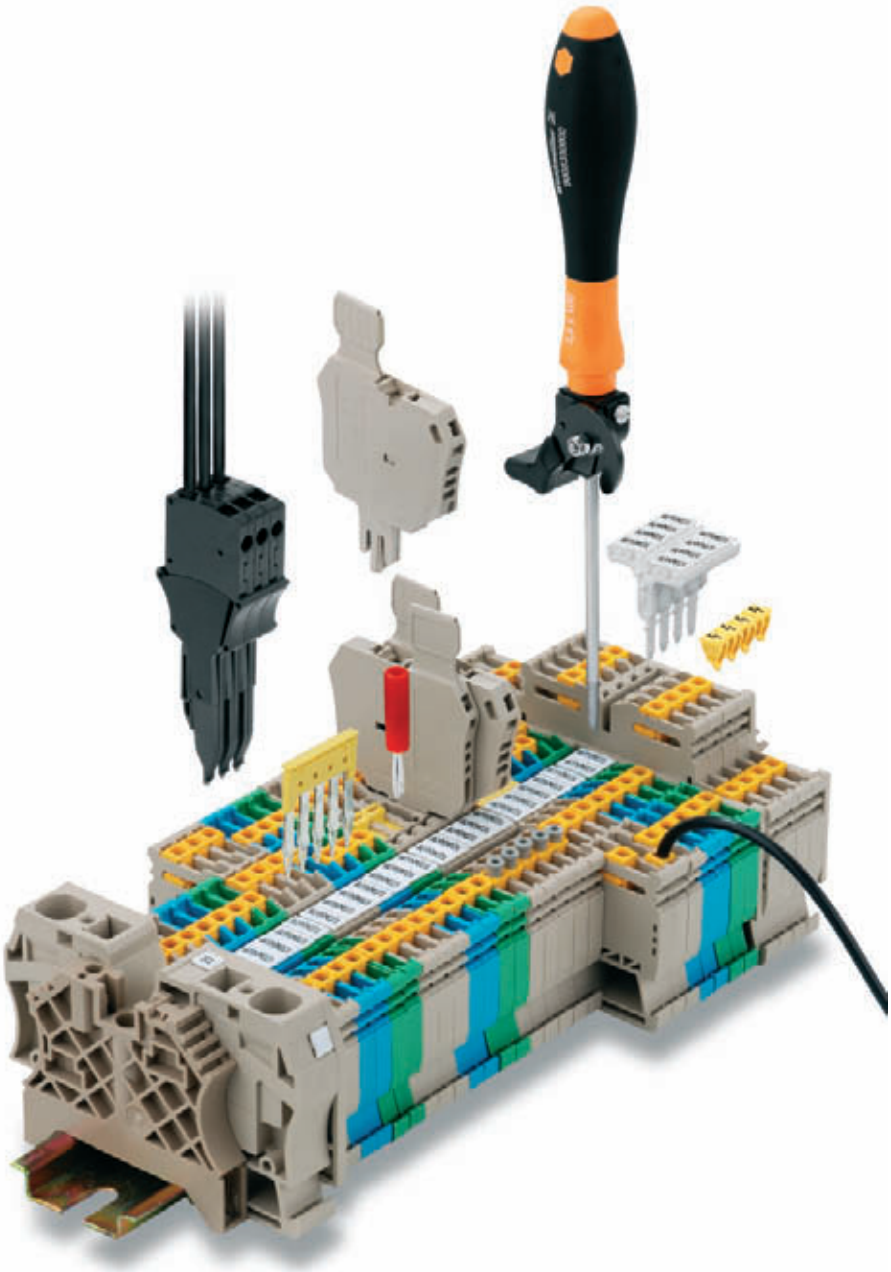
Type	Qty.	Order No.
IDU 2.5N/2X2AN/D-	50	**1821250000**

Type	Current [A]	Qty.	Order No.
	width [mm]		
IAP 2.5N/4AN	2	50	**1813070000**
	width [mm]		
WEW-35/2	8	100	**1061200000**
SWIFTY SET		1	**9006060000**
SD 0.6x3.5x100		1	**9008330000**
IRH 2.5		100	**1848230000**

WS 10/6

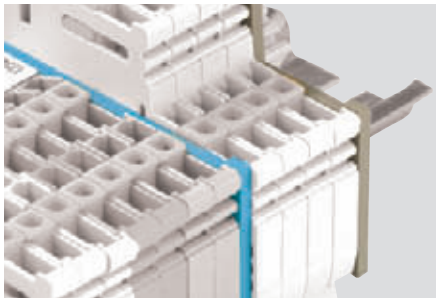
Additional functions

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

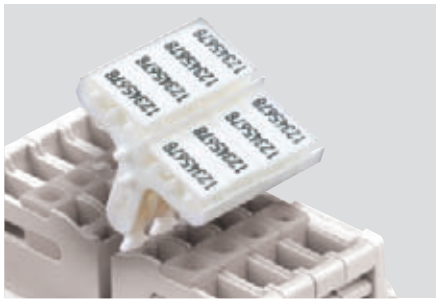
Page C.44



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 F

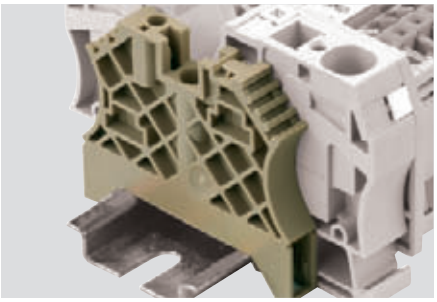


Weidmüller labelling systems featured in **chapter F** are used to mark IDC terminals.

Weidmüller IDC2 terminals are connected using a standard 0.6 x 3.5 screwdriver. Here our **Swifty®** screwdriver with combined cutting function (see **page F.65**) is a very clever solution.

Fastening

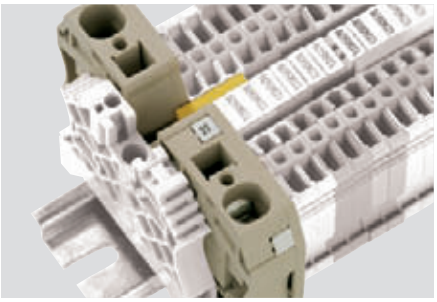
Chapter F



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 F**.

Electrical supply

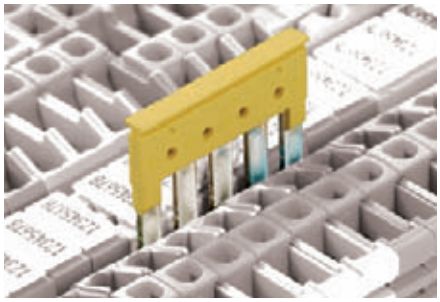
Page C.45



Weidmüller IDC2 terminals come with the **ZEI 16** supply terminal. Cross-connections break the current input down into several current outputs. The current is supplied with a conductor cross-section of 16 mm^2 and then distributed across neighbouring terminals for cross-sectional areas of 1.5 mm^2 and 2.5 mm^2.

Electrical distribution

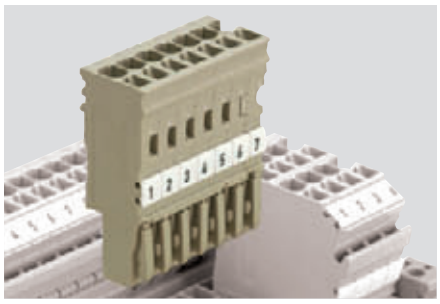
Page C.46



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 ...

Page C.30

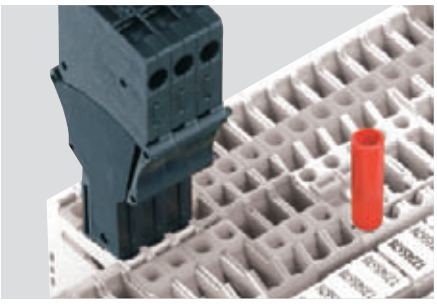


... with IDC technology
In its design, the terminals are based on the modular principle. The basic elements of the WeiCoS system consist of one terminal assembly for the functional unit on the mounting rail, and plug-in connectors connecting up the elements (cable harness assembly).

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

Testing

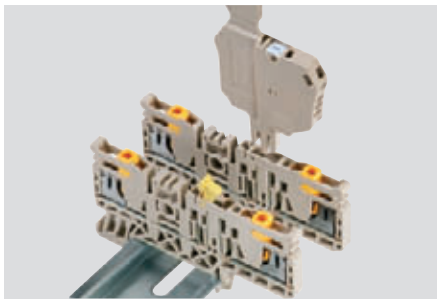
Page C.48



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

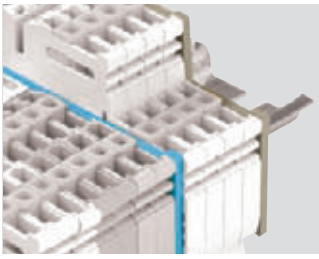
Page C.50



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

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

End plates/partition plates



End plates are fastened to the open side of the final terminal before the end bracket. The use of end plates maintains both the function of the terminal and the required rated voltage.

The end terminal is safe from finger touch, protecting against shocks from conducting parts.

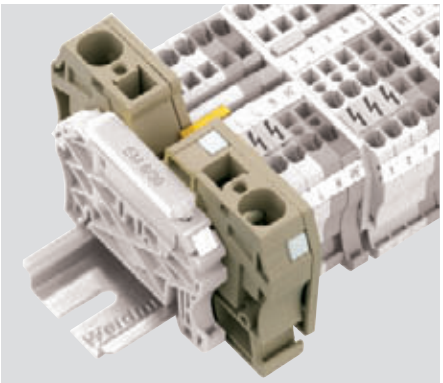
If cross-connections are shortened, end plates must be used on the bare cut edges of the cross-connection to maintain the rated voltage of 250 V.

Coloured end plates are used to enhance the visual separation between different electric circuits.

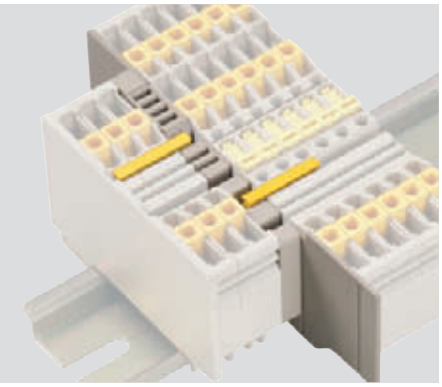
Ordering data

Type	Colour	Qty	Order No.	For terminal type
IAP 1.5N	beige	50	**1792430000**	IDU 1.5N
IAP 1.5N BL	blue	50	**1792440000**	IDU 1.5N/ZF IDU 1.5N /ZB
IAP 1.5N/3AN	beige	50	**1792450000**	IDU 1.5N/3AN
IAP 1.5N/3AN BL	blue	50	**1792460000**	IDU 1.5N/3AN/ZF IDU 1.5N/3AN/ZB ITR 1.5N ITR 1.5N/SI
IAP 1.5N/4AN	beige	50	**1792470000**	IDU 1.5N/4AN
IAP 1.5N/4AN BL	blue	50	**1792480000**	ITR 1.5/3AN ITR 1.5/3AN/SI
IAP 1.5N/DK-ZB	beige	50	**1896710000**	IDK 1.5N/ZB
	blue	50	**1896730000**	
IAP 1.5N/DK	beige	50	**1792520000**	IDK 1.5N
IAP 1.5N/DK BL	blue	50	**1792530000**	IDK 1.5N/V IDK 1.5N/DU-PE
IAP 1.5N 3L	beige	20	**1801770000**	IAK 1.5N 3L IIK 1.5N 3L
IAP 1.5N 4L	beige	20	**1801780000**	IIK 1.5N 4L IIK 1.5N 4L PA
IAP 2.5N	beige	50	**1813020000**	IDU 2.5
IAP 2.5N BL	blue	50	**1813030000**	IDU 2.5N/ZB IDU 2.5N/ZF
IAP 2.5N/3AN	beige	50	**1813040000**	IDU 2.5N/3AN
IAP 2.5N/3AN BL	blue	50	**1813050000**	ITR 2.5N ITR 2.5N/SI
IAP 2.5N/4AN	beige	50	**1813070000**	IDU 2.5N/4AN
IAP 2.5N/4AN BL	blue	50	**1813080000**	

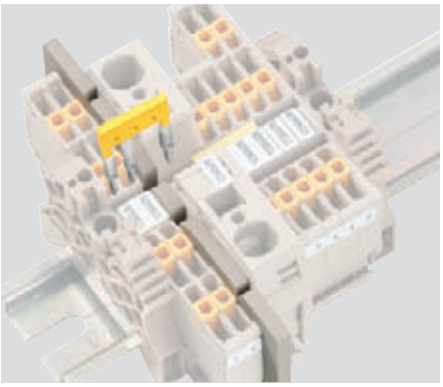
ZEI 16 supply terminal



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

Supply terminals \ Output 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 2.5N
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

Supply terminals \ Output terminals	left									
	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 2.5N
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]

x[1] with IEPL, x[2] with QVAR

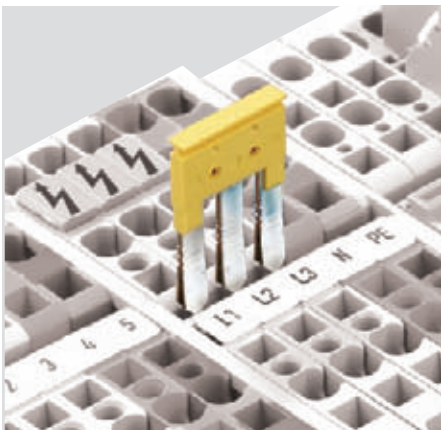
Ordering data

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 mm²	62 A	95 A
IDU 2.5N	**ZQV 4**	25 mm²	82 A	101 A

Plug-in cross-connection ZQV



The time-saving, easy-to-use cross-connection 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.

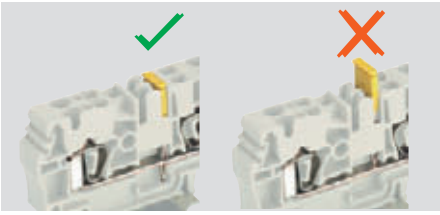
This does not apply to terminals with a rated voltage below 500 V. Here the rated voltage of the used terminal is mandatory (e.g. terminal types ITR 1.5N and ITR 2.5N).

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.

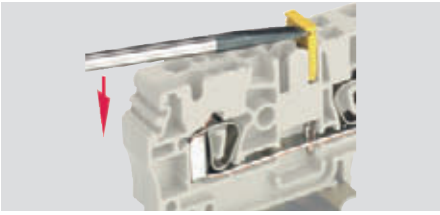
Fitting and changing cross-connection
The fitting and changing of cross-connections is a trouble-free and fast operation:

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

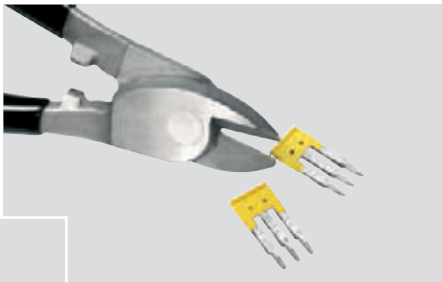
...and press it fully home.
(The cross-connection may not project from the channel.)



– 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).

Tailor-made cross-connections

ZQV 2.5/50 is a cross-connection which can be used for connecting up to 20 individual terminals easily and quickly. The fitter simply cuts off the required number of poles from the 20-pole cross-connection comb. With this system, cross-connections with the correct number of poles are always available and only a minimum of storage space is required.
The large number of poles in the 20-pole comb means that unused residual quantities are virtually avoided. The ends of the continuous cross-connection are bare.
In the interests of stability, 2-pole cross-connections are not permitted. An end plate must always be fitted to neighbouring ZQVs with bare cut edges. With the ZDU 2.5 and WDU 2.5N it is sufficient to fit the ZQV in the offset position. The rated voltage is 400 V.

ZQV 2.5

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	10	**1908960000**

For terminal type
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

Type	Qty	Order No.
ZQV 4/2	60	**1608950000**
ZQV 4/3	60	**1608960000**
ZQV 4/4	60	**1608970000**
ZQV 4/5	20	**1608980000**
ZQV 4/6	20	**1608990000**
ZQV 4/7	20	**1609000000**
ZQV 4/8	20	**1609010000**
ZQV 4/9	20	**1609020000**
ZQV 4/10	20	**1609030000**
ZQV 4/20	20	**1909010000**

For terminal type
IDU 2.5N…
ITR 2.5N…
ITR 2.5N/SI...

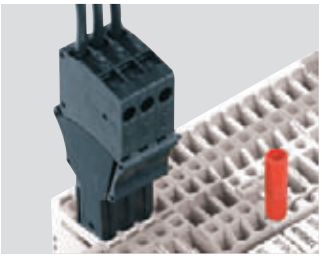
IRH

Reducing sleeves

Reducing sleeves are used to make it easier to connect conductors with smaller cross-sectional areas.
The reducing sleeve centres the conductor in the middle of the IDC2 contact.

Type	Qty	Order No.
IRH 1.5 for terminals IDU 1.5	100	**1804510000**
IRH 2.5 for terminals IDU 2.5N	100	**1848230000**

Test adapter



The ITA slot-in test adapter is used as both a single unit and a test adapter strip for measurements in switchgear cabinets.

Conductors with cross-sectional areas ranging from 0.5 mm² to 1.0 mm² can be clamped. The test adapter is simply slotted into the terminal, creating secure contact with the current carrying busbar. This connection is released again by simply pressing the release button.

Test plug

There is a test point for the PS 2.3 test plug in some terminals of the I-Series. For quick measurements, simply insert the test plug into the opening provided.

This is different from the test adapter in that the test plug does not slot into the terminal.

		ITA 1	ITA 2	PS 2.3
				Plug diameter 2.3 mm
Dimensions				
Height	mm	76	76	
Length	mm	27	27	
Modular width	mm	5.1	6.1	
Stripping length	mm	6.0	6.0	
Rated voltage / current / cross-section				
IEC 60 947-7-1		500 V / 12 A / 1.0 mm²	500 V / 12 A / 1.0 mm²	
Clamping conductor				
Solid	mm²	0.5 ... 1.0	0.5 ... 1.0	
Flexible	mm²	0.5 ... 1.0	0.5 ... 1.0	
Torque	Nm	0.4	0.4	
Ordering data				
	1-pole	Type: ITA 1, Qty: 25, Order No.: **1803800000**	Type: ITA 2, Qty: 25, Order No.: **1821210000**	Type: PS 2.3 RD, Qty: 20, Order No.: **0180400000**
	with clip-in pivot	Type: ITA 1/ ZA, Qty: 25, Order No.: **1803810000**	Type: ITA 2 / ZA, Qty: 25, Order No.: **1821220000**	
		For terminal type	**For terminal type**	**For terminal type**
		IDU 1.5N…	IDU 2.5N…	ITR 1.5N
		IDK 1.5N…	ITR 2.5N…	ITR 1.5N/3 AN
		ITR 1.5N…	ITR 2.5N/SI	ITR 2.5N
		ITR 1.5N/SI...		
		IT 1.5N/4 AN/2		

Marking / Covering

The VDE regulations stipulate that mains connection terminals have to be covered.

For this purpose Weidmüller provides yellow covers printed with a warning arrow.

The covers slot into the screwdriver opening of the terminal, and are available in 4-pole terminal units.

IAD 1/4

Type	Qty	Order No.
IAD 1/4	20	**1805500000**
IAD 1/4 blank	20	**1818420000**

For terminal type	
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

Type	Qty	Order No.
IAD 2/4	20	**1828420000**
IAD 2/4 blank	20	**1828430000**

For terminal type
IDU 2.5N…
ITR 2.5N…
ITR 2.5N/SI...

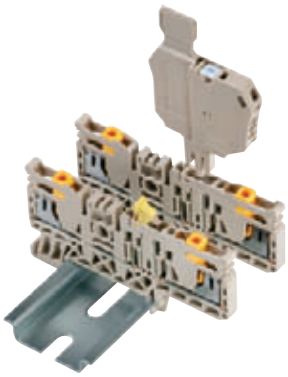
This tag carrier was specially conceived for the I-Series IDK 1.5N double level terminal.
The flexible hinge mechanism allows cross-connections to be readily connected or disconnected. It can be fitted with four DEK 5 tags or two WS 10/5 Middle connector markers.

Snap Mark

Technical data	
Material	Polyamide
Flammability class to UL94	V-2
Temperature range	-40°C…100°C
Colour	white

Type	Length / Width [mm]	Qty	Order No.
Snap Mark I	23.0	50	**1805880000**

SIHA fuse holder



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

1. Open fuse holder with fingers or screw-driver

2. Press out old fuse

3. Position new fuse

4. Press fuse holder together again

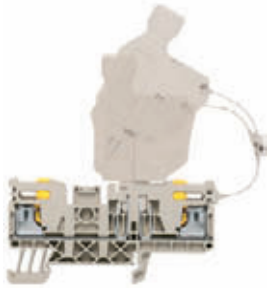
SIHA 3

	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 terminal type

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 φ 0.7)	250	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	-	25	1833100000
BEST/ DRBR	wire jumper	25	1878570000
BEST/D	diode 1N4007	25	1878560000
For terminal type			
ITR 1.5 w/o TNHE lever			
ITR 2.5 w/o TNHE lever			

Isolating plug

Isolating plug

Ordering data

Type	Colour	Qty	Order No.
TNST	yellow Wemid	25	1833090000
For terminal type			
ITR 1.5 w/o TNHE lever			
ITR 2.5 w/o TNHE lever			