

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

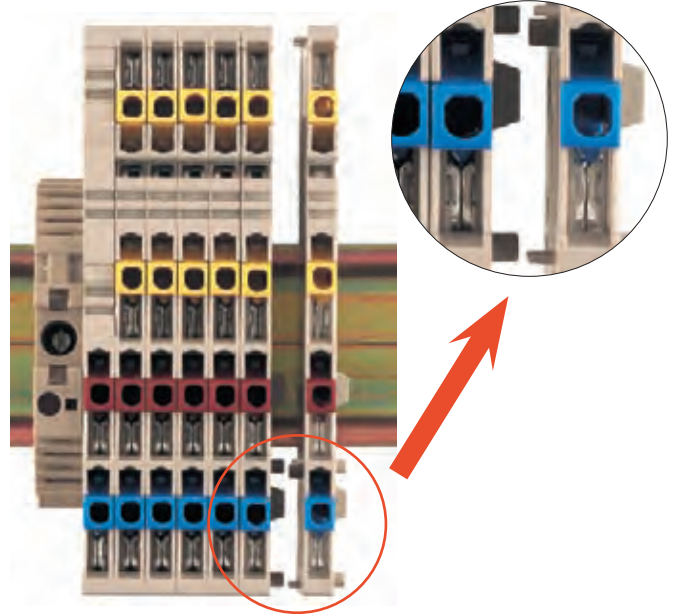
The cross-connections are already integrated within the individual terminals. The female contact is on one side of the terminal and the male contact on the other. The modular design means that variable terminal strips can be created for different applications.

The end plate

End plates enable additional marking of the rows.

The status indication

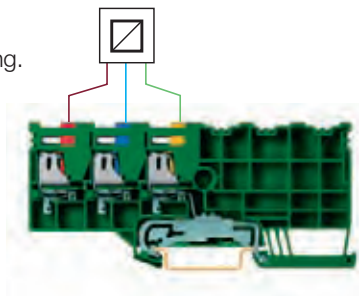
The signal status can be indicated directly at the terminal.



The alternative versions

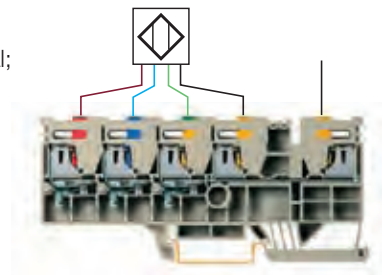
• Supply terminal

Supply made easy with additional options for marking.



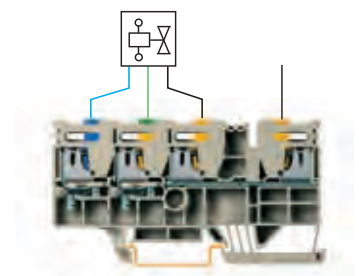
• Initiator terminal

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



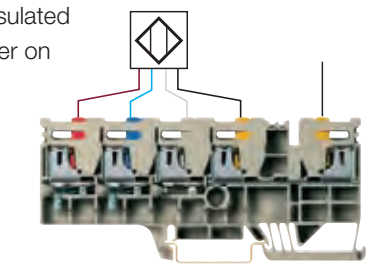
• Actuator terminal

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.



Weidmüller 

IEK 1.5N 3L

1.5 mm²



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

IEC 60947-7-1 / IEC 60352-4

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

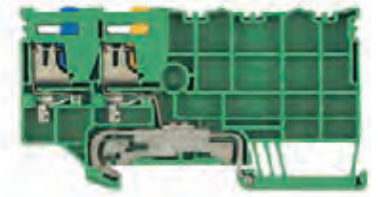
Rated connection

0.21...1.5
0.21...1.5
0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

IEK 1.5N 3L PE

1.5 mm²



5.1 x 93 x 51
/ 1.5 - PE
○ ○

IEC 60947-7-2 / IEC 60352-4

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

Rated connection

0.21...1.5
0.21...1.5
0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

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

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


Technical data

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

Ordering data

Version	Note
Dark beige Wemid	
Note	

Accessories

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

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

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

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

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

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

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Initiator and actuator terminals

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

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





Technical data

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

Ordering data

Version	Note
Dark beige Wemid	
Note	

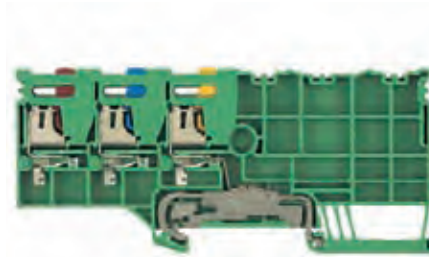
Accessories

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

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

IEK 1.5N 4L PE

1.5 mm²



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

IEC 60947-7-2 / IEC 60352-4		
IEC	UL	CSA
250	300	300
17.5	10	10
1.5	AWG 24...16	AWG 24...16
	4 / 3	
	V-0	
Rated connection		
0.21...1.5		
0.21...1.5		
0.6 x 3.5 mm		
Conductor < 0.5 mm ² / AWG 24 with IRH 1.5		

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

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

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IAK 1.5N 3L

1.5 mm²



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

IEC 60947-7-1 / IEC 60352-4		
IEC	UL	CSA
250	300	300
17.5	10	10
1.5	AWG 24...16	AWG 24...16
	4 / 3	
	V-0	
Rated connection		
0.21...1.5		
0.21...1.5		
0.6 x 3.5 mm		
Conductor < 0.5 mm ² / AWG 24 with IRH 1.5		

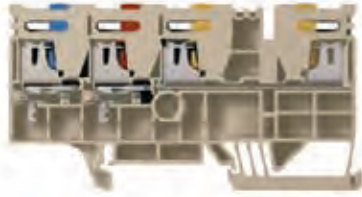
Type	Qty	Order No.
IAK 1.5N 3L	50	1801820000
Base terminal with LED: IAK 1.5N 3L D: 1801830000		

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

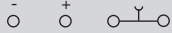
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IHK 1.5N 3L

1.5 mm²



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



IEC 60947-7-1 / IEC 60352-4

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



Rated connection

0.21...1.5
0.21...1.5
0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

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

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

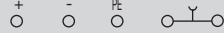
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IHK 1.5N 4L

1.5 mm²



5.1 x 113 x 51
/ 1.5
0.21...1.5



IEC 60947-7-1 / IEC 60352-4

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



Rated connection

0.21...1.5
0.21...1.5
0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

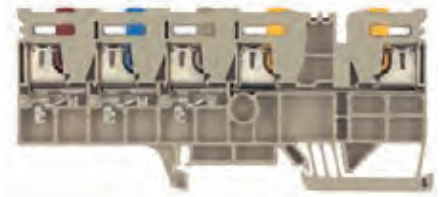
Type	Qty	Order No.
IHK 1.5N 4L	50	1801870000
Base terminal with LED: IHK 1.5N 4L D/PNP 1801880000, IHK 1.5N 4L D/NPN 1801890000		

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

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IHK 1.5N 4L PA

1.5 mm²



5.1 x 113 x 51
/ 1.5
0.21...1.5



IEC 60947-7-1 / IEC 60352-4

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



Rated connection

0.21...1.5
0.21...1.5
0.6 x 3.5 mm

Conductor < 0.5 mm² / AWG 24 with IRH 1.5

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

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

WS 10/5