

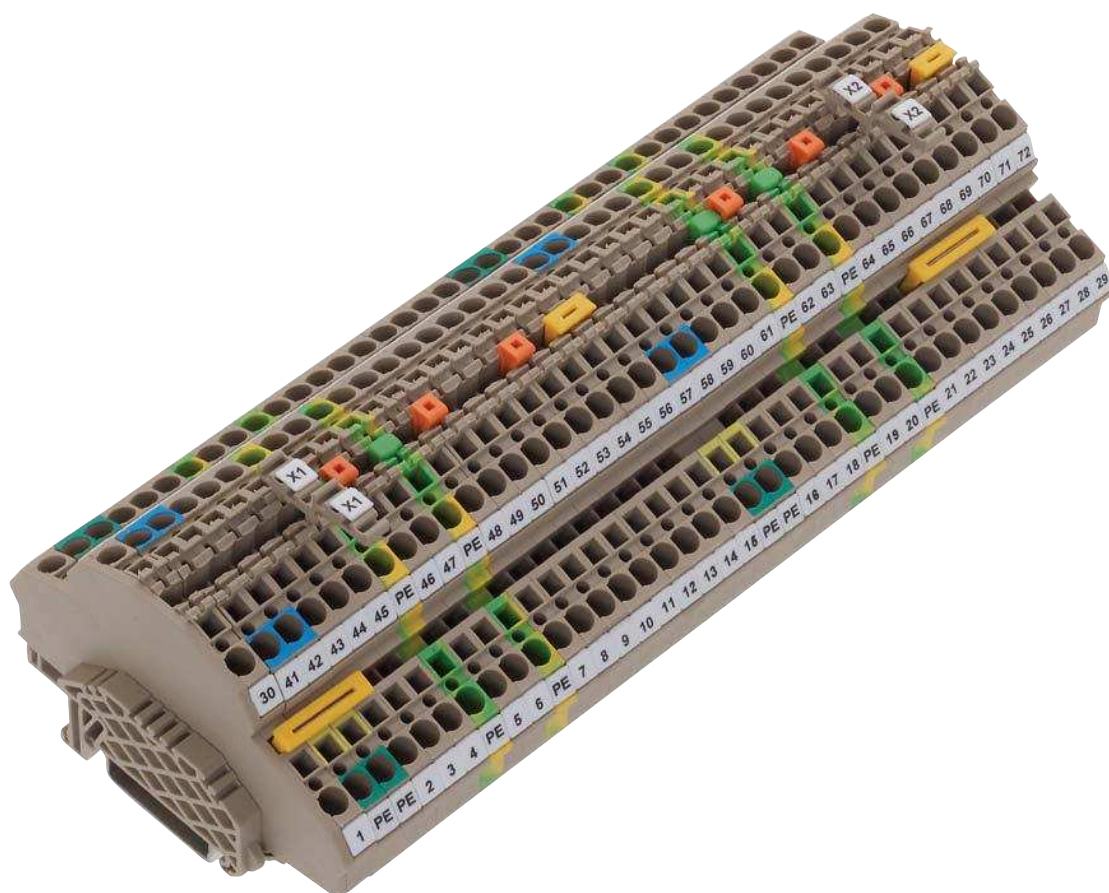
Double-level terminal blocks ZRKD 2,5 | Double-level protective earth terminal ZSLD 2,5



With a width of just 5 mm, the new **ZRKD** series is available in thirteen versions and connects with stranded or solid wires up to 24 mm² with a rated current of up to 24 A. Solid and stranded wires with wire-end ferrules can be inserted into the connection system with a tool or standard screwdriver. Inserting the tool opens the tension spring for easy conductor insertion. When closed, the conductor is securely clamped against the internal busbar.

The PE foot from **CONTA-CLIP** that contacts the PE potential to the DIN rail is designed to contact on both sides. This means that more material is required; however this offers more safety in the area around the protective earth contact.

In all the **ZSL** series, the foot construction and busbar are made of a single piece of copper. This solid, contiguous construction guarantees low contact resistance as well as the high security of the internal-spring PE contact foot.



Double-level terminal blocks ZRKD 2.5 | Double-level protective earth terminal ZSLD 2,5

The features in detail

Cross-connection system

The upper and lower levels can be cross-connected using the **ZQI 2,5/...** standard cross-connections. The **ZQI** insulated cross-connections have a pluggable design and are available with from 2 to 10 poles. They cross connect up to the rated current of the relevant **ZRKD** terminals.



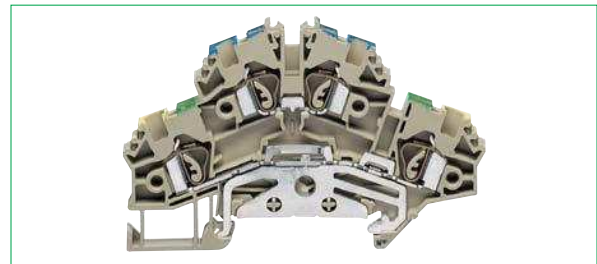
Vertical connection ZVQI

The upper and lower levels can be connected to each other using the **ZVQI** vertical cross-connector.



Colour coding

The upper and lower levels can be supplied with colour splash to indicate /N blue and /PE Green/Yellow (for example, **ZRKD 2,5 N-PE**).



Connecting the PE foot onto the DIN rail

As with all **CONTA-CLIP** PE terminals, the **ZSLD** terminals also implement a two-sided contact with the DIN rail. In all the **ZRK** series, the foot construction and busbar are made of a single piece of copper. This solid, contiguous construction guarantees low contact resistance as well as the high security of the internal-spring PE contact foot.



Double-level terminal blocks ZRKD | Double-level protective earth terminal ZSLD

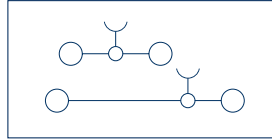
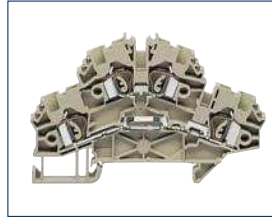
Tension-spring connection system



- Foot can be snapped on TS35 DIN rails
- Housing made from polyamide 6.6 UL 94-V0

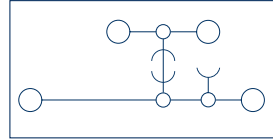
Connection diagram

ZRKD 2,5



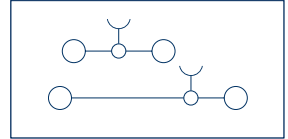
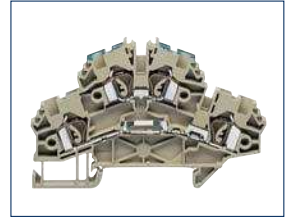
Feed-through terminal
2 x 2 connections

ZRKD 2,5 SV



Feed-through terminal
4 connections

ZRKD 2,5 N-DU



Feed-through terminal
2 x 2 connections

Connection type

Size (L x W x H) with TS 35 x 7.5 mm

Size (L x W x H with labelling adapter) with TS 35 x 7.5 mm

Type

Type colour

Cat. no.

Type colour

Cat. no.

Type colour with labelling adapter

Cat. no.

Type colour with labelling adapter

Cat. no.

Colours available

Ratings

Rated voltage, V

Rated current, A

Rated wire cross-section, mm² | AWG

Rated impulse voltage, kV | Contamination degree

Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94

Connection data

Single wire (solid) | stranded (stranded) mm²

Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²

Contact wire range, mm²

Stripping length, mm

Tension-spring

83.6 x 5.1 x 53

83.6 x 5.1 x 64

Qty.

ZRKD 2,5 BG
3562.2 100

ZRKD 2,5 BU
3562.5 100

ZRKD 2,5/ZBA BG
3575.2 100

ZRKD 2,5/ZBA BU
3575.5 100

② ⑤ ③ ① ⑧ ⑨

IEC CSAus CSA

500 300 300

24 10 10

2.5 | 20-12

6 | 3

A3 | V0

0.5-4 | -

0.5-4 | 0.5-2.5

0.08-4

10

Tension-spring

83.6 x 5.1 x 53

83.6 x 5.1 x 64

Qty.

ZRKD 2,5/SV BG
3563.2 100

ZRKD 2,5/SV BU
3563.5 100

ZRKD 2,5/SV/ZBA BG
3576.2 100

ZRKD 2,5/SV/ZBA BU
3576.5 100

② ⑤ ③

IEC CSAus CSA

500 300 300

24 10 10

2.5 | 20-12

6 | 3

A3 | V0

0.5-4 | -

0.5-4 | 0.5-2.5

0.08-4

10

Tension-spring

83.6 x 5.1 x 53

83.6 x 5.1 x 64

Qty.

ZRKD 2,5/N/DU
3564.2 100

ZRKD 2,5/N/DU/ZBA
3577.2 100

②

IEC CSAus CSA

500 300 300

24 10 10

2.5 | 20-12

6 | 3

A3 | V0

0.5-4 | -

0.5-4 | 0.5-2.5

0.08-4

10

Features

Material of insulated housing | Temperature range

Number of cross-connection channels | Test pick-off

Accessories

End plate AP

Cat. no.

Insulated cross-connector ZQI

Cat. no.

Insulated cross-connector ZQI

Cat. no.

Insulated cross-connector ZQI

Cat. no.

Insulated cross-connector ZQI

Cat. no.

Insulated cross-connector ZQI

Cat. no.

Insulated cross-connector ZQI

Cat. no.

Insulated cross-connector ZQI

Cat. no.

Four-way cover ZAD

Cat. no.

labelling adapter ZBA

Cat. no.

End stop ZES

Cat. no.

Test adapter ZTA

Cat. no.

Screwdriver / Metal actuating tool BWMA

Cat. no.

Quick marking PMC SB

Cat. no.

PA 6.6 | -40 to +120°C

2 | 4

Page Qty.

ZAPD 2,5 BG
3756.2 281 20

ZQI 2,5/2 YE
3710.8 308 50

ZQI 2,5/3 YE
3711.8 308 50

ZQI 2,5/4 YE
3712.8 308 20

ZQI 2,5/5 YE
3713.8 308 20

ZQI 2,5/6 YE
3714.8 308 20

ZQI 2,5/7 YE
3715.8 308 20

ZQI 2,5/8 YE
3716.8 308 10

ZQI 2,5/9 YE
3717.8 308 10

ZQI 2,5/10 YE
3718.8 308 10

ZQI 2,5/0.5 m/99 poles YE
3719.8 308 1

ZAD 2.5/4/B YE
3706.0 315 20

ZBA1 BG
3745.2 314 20

ZES 35 BG
3748.2 275 50

ZTA 2,5
3740.2 320 10

BWMA 1 (0.5x3.5mm)
3808.0 328 1

PMC SB 5/50 WH
4600.7 339 500

PA 6.6 | -40 to +120°C

1 | 4

Page Qty.

ZAPD 2,5 BG
3756.2 281 20

ZQI 2,5/2 YE
3710.8 308 50

ZQI 2,5/3 YE
3711.8 308 50

ZQI 2,5/4 YE
3712.8 308 20

ZQI 2,5/5 YE
3713.8 308 20

ZQI 2,5/6 YE
3714.8 308 20

ZQI 2,5/7 YE
3715.8 308 20

ZQI 2,5/8 YE
3716.8 308 10

ZQI 2,5/9 YE
3717.8 308 10

ZQI 2,5/10 YE
3718.8 308 10

ZQI 2,5/0.5 m/99 poles YE
3719.8 308 1

ZAD 2.5/4/B YE
3706.0 315 20

ZBA1 BG
3745.2 314 20

ZES 35 BG
3748.2 275 50

ZTA 2,5
3740.2 320 10

BWMA 1 (0.5x3.5mm)
3808.0 328 1

PMC SB 5/50 WH
4600.7 339 500

PA 6.6 | -40 to +120°C

2 | 4

Page Qty.

ZAPD 2,5 BG
3756.2 281 20

ZQI 2,5/2 YE
3710.8 308 50

ZQI 2,5/3 YE
3711.8 308 50

ZQI 2,5/4 YE
3712.8 308 20

ZQI 2,5/5 YE
3713.8 308 20

ZQI 2,5/6 YE
3714.8 308 20

ZQI 2,5/7 YE
3715.8 308 20

ZQI 2,5/8 YE
3716.8 308 10

ZQI 2,5/9 YE
3717.8 308 10

ZQI 2,5/10 YE
3718.8 308 10

ZQI 2,5/0.5 m/99 poles YE
3719.8 308 1

ZAD 2.5/4/B YE
3706.0 315 20

ZBA1 BG
3745.2 314 20

ZES 35 BG
3748.2 275 50

ZTA 2,5
3740.2 320 10

BWMA 1 (0.5x3.5mm)
3808.0 328 1

PMC SB 5/50 WH
4600.7 339 500

ZRKD 2,5 DU-PE	ZRKD 2,5 N-PE	ZSLD 2,5	ZBA 1	
Feed-through/PE terminal, 2 x 2 connections	Feed-through/PE terminal, 2 x 2 connections	Protective earth terminal 4 connections	labelling adapter for ZRKD 2,5	
Tension-spring 83.6 x 5.1 x 53 83.6 x 5.1 x 64	Tension-spring 83.6 x 5.1 x 53 83.6 x 5.1 x 64	Tension-spring 83.6 x 5.1 x 53 83.6 x 5.1 x 64	22 x 5 x 11	
Qty. ZRKD 2,5/DU/PE 3565.2 100	Qty. ZRKD 2,5/N/PE 3566.2 100	Qty. ZSLD 2,5 GNYE 3567.2 100	Qty. ZBA 1 BG 3745.2 20	
ZRKD 2,5/DU/PE/ZBA 3578.2 100	ZRKD 2,5/N/PE/ZBA 3579.2 100	ZSLD 2,5/ZBA GNYE 3580.2 100		

②			②			②				
IEC	CSAus	CSA	IEC	CSAus	CSA	IEC	CSAus	CSA		
500	300	300	500	300	300					
24	10	10	24	10	10					
2.5 20-12			2.5 20-12			2.5 20-12				
6 3			6 3			6 3				
A3 V0			A3 V0			A3 V0				
0.5-4 -			0.5-4 -			0.5-4 -				
0.5-4 0.5-2.5			0.5-4 0.5-2.5			0.5-4 0.5-2.5				
0.08-4			0.08-4			0.08-4				
10			10			10				
PA 6.6 -40 to +120°C			PA 6.6 -40 to +120°C			PA 6.6 -40 to +120°C				
1 4			1 4			0 4				
Page Qty.			Page Qty.			Page Qty.				
ZAPD 2,5 BG 3756.2 281 20			ZAPD 2,5 BG 3756.2 281 20			ZAPD 2,5 GN 3756.1 281 20				
ZQI 2,5/2 YE 3710.8 308 50			ZQI 2,5/2 YE 3710.8 308 50							
ZQI 2,5/3 YE 3711.8 308 50			ZQI 2,5/3 YE 3711.8 308 50							
ZQI 2,5/4 YE 3712.8 308 20			ZQI 2,5/4 YE 3712.8 308 20							
ZQI 2,5/5 YE 3713.8 308 20			ZQI 2,5/5 YE 3713.8 308 20							
ZQI 2,5/6 YE 3714.8 308 20			ZQI 2,5/6 YE 3714.8 308 20							
ZQI 2,5/7 YE 3715.8 308 20			ZQI 2,5/7 YE 3715.8 308 20							
ZQI 2,5/8 YE 3716.8 308 10			ZQI 2,5/8 YE 3716.8 308 10							
ZQI 2,5/9 YE 3717.8 308 10			ZQI 2,5/9 YE 3717.8 308 10							
ZQI 2,5/10 YE 3718.8 308 10			ZQI 2,5/10 YE 3718.8 308 10							
ZQI 2,5/0.5 m/99 poles YE 3719.8 308 1			ZQI 2,5/0.5 m/99 poles YE 3719.8 308 1							
ZAD 2.5/4/B YE 3706.0 315 20			ZAD 2.5/4/B YE 3706.0 315 20			ZAD 2.5/4/B YE 3706.0 315 20				
ZBA1 BG 3745.2 314 20			ZBA1 BG 3745.2 314 20			ZBA1 BG 3745.2 314 20				
ZES 35 BG 3748.2 275 50			ZES 35 BG 3748.2 275 50			ZES 35 BG 3748.2 275 50				
ZTA 2,5 3740.2 320 10			ZTA 2,5 3740.2 320 10			ZTA 2,5 3740.2 320 10				
BWMA 1 (0.5x3.5mm) 3808.0 328 1			BWMA 1 (0.5x3.5mm) 3808.0 328 1			BWMA 1 (0.5x3.5mm) 3808.0 328 1				
PMC SB 5/50 WH 4600.7 339 500			PMC SB 5/50 WH 4600.7 339 500			PMC SB 5/50 WH 4600.7 339 500				

Double-level terminal blocks with electronic components ZRKD

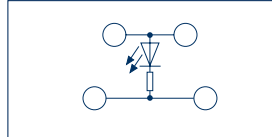
Tension-spring connection system



- Foot can be snapped on TS35 DIN rails
- Housing made from polyamide 6.6 UL 94-V0

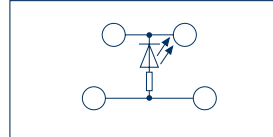
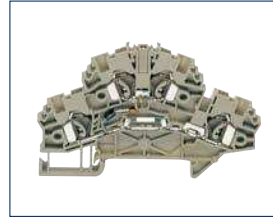
Connection diagram

ZRKD 2,5/LED1



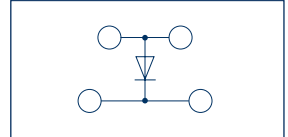
Feed-through terminal
2x2 connections

ZRKD 2,5/LED2



Feed-through terminal
2x2 connections

ZRKD 2,5/D1



Feed-through terminal
2x2 connections

Connection type

Size (L x W x H) with TS 35 x 7.5 mm

Size (L x W x H with labelling adapter) with TS 35 x 7.5 mm

Type

Type colour

Cat. no.

Type colour

Cat. no.

Type colour

Cat. no.

Type colour

Cat. no.

Colours available

Ratings

Rated voltage, V

Rated current, A

Rated wire cross-section, mm² | AWG

Rated impulse voltage, kV | Contamination degree

Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94

Connection data

Single wire (solid) | stranded (stranded) mm²

Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²

Contact wire range, mm²

Stripping length, mm

Diode

Tension-spring

83.6 x 5.1 x 53

83.6 x 5.1 x 64

Qty.

ZRKD 2,5/LED1(RD)/24V DC BG
3568.2 100

Tension-spring

83.6 x 5.1 x 53

83.6 x 5.1 x 64

Qty.

ZRKD 2,5/LED2(RD)/24V DC BG
3569.2 100

Tension-spring

83.6 x 5.1 x 53

83.6 x 5.1 x 64

Qty.

ZRKD 2,5/D1 BG
3570.2 100

②

IEC CSAus CSA

24

< 5 mA

2.5 | 20-12

6 | 3

A3 | V0

0.5-4 | -

0.5-4 | 0.5-2.5

0.08 - 4

10

②

IEC CSAus CSA

24

< 5 mA

2.5 | 20-12

6 | 3

A3 | V0

0.5-4 | -

0.5-4 | 0.5-2.5

0.08 - 4

10

②

IEC CSAus CSA

2.5 | 20-12

6 | 3

A3 | V0

0.5-4 | -

0.5-4 | 0.5-2.5

0.08 - 4

10

Soldered diode 1N4007

Reverse voltage 1000V | Current 1A

Features

Material of insulated housing | Temperature range

Number of cross-connection channels | Test pick-off

PA 6.6 | -40 to +120°C

1 | 0

PA 6.6 | -40 to +120°C

1 | 0

PA 6.6 | -40 to +120°C

1 | 0

Accessories

End plate AP

Cat. no.

Insulated cross-connector ZQI

Cat. no.

2 poles

Insulated cross-connector ZQI

Cat. no.

3 poles

Insulated cross-connector ZQI

Cat. no.

4 poles

Insulated cross-connector ZQI

Cat. no.

5 poles

Insulated cross-connector ZQI

Cat. no.

6 poles

Insulated cross-connector ZQI

Cat. no.

7 poles

Insulated cross-connector ZQI

Cat. no.

8 poles

Insulated cross-connector ZQI

Cat. no.

9 poles

Insulated cross-connector ZQI

Cat. no.

10 poles

Insulated cross-connector ZQI

Cat. no.

99 poles

Four-way cover ZAD

Cat. no.

labelling adapter ZBA

Cat. no.

End stop ZES

Cat. no.

Test adapter ZTA

Cat. no.

Screwdriver / Metal actuating tool BWMA

Cat. no.

Page Qty.

ZAPD 2,5 BG

3756.2 281 20

ZQI 2,5/2 YE

3710.8 308 50

ZQI 2,5/3 YE

3711.8 308 50

ZQI 2,5/4 YE

3712.8 308 20

ZQI 2,5/5 YE

3713.8 308 20

ZQI 2,5/6 YE

3714.8 308 20

ZQI 2,5/7 YE

3715.8 308 20

ZQI 2,5/8 YE

3716.8 308 10

ZQI 2,5/9 YE

3717.8 308 10

ZQI 2,5/10 YE

3718.8 308 10

ZQI 2,5/0.5 m/99 poles YE

3719.8 308 1

ZAD 2.5/4/B YE

3706.0 315 20

ZES 35 BG

3748.2 275 50

ZTA 2,5

3740.2 320 10

BWMA 1 (0.5x3.5mm)

3808.0 328 1

PMC SB 5/50 WH

4600.7 339 500

Page Qty.

ZAPD 2,5 BG

3756.2 281 20

ZQI 2,5/2 YE

3710.8 308 50

ZQI 2,5/3 YE

3711.8 308 50

ZQI 2,5/4 YE

3712.8 308 20

ZQI 2,5/5 YE

3713.8 308 20

ZQI 2,5/6 YE

3714.8 308 20

ZQI 2,5/7 YE

3715.8 308 20

ZQI 2,5/8 YE

3716.8 308 10

ZQI 2,5/9 YE

3717.8 308 10

ZQI 2,5/10 YE

3718.8 308 10

ZQI 2,5/0.5 m/99 poles YE

3719.8 308 1

ZAD 2.5/4/B YE

3706.0 315 20

ZES 35 BG

3748.2 275 50

ZTA 2,5

3740.2 320 10

BWMA 1 (0.5x3.5mm)

3808.0 328 1

PMC SB 5/50 WH

4600.7 339 500

Page Qty.

ZAPD 2,5 BG

3756.2 281 20

ZQI 2,5/2 YE

3710.8 308 50

ZQI 2,5/3 YE

3711.8 308 50

ZQI 2,5/4 YE

3712.8 308 20

ZQI 2,5/5 YE

3713.8 308 20

ZQI 2,5/6 YE

3714.8 308 20

ZQI 2,5/7 YE

3715.8 308 20

ZQI 2,5/8 YE

3716.8 308 10

ZQI 2,5/9 YE

3717.8 308 10

ZQI 2,5/10 YE

3718.8 308 10

ZQI 2,5/0.5 m/99 poles YE

3719.8 308 1

ZAD 2.5/4/B YE

3706.0 315 20

ZBA1 BG

3745.2 314

ZES 35 BG

3748.2 275 50

ZTA 2,5

3740.2 320 10

BWMA 1 (0.5x3.5mm)

3808.0 328 1

PMC SB 5/50 WH

4600.7 339 500

