

## Flexible in wiring, vibration-resistant in operation

### Klippon® Connect with proven tension clamp technology

Whether in machine construction, the automotive industry or railway and shipping: wherever there is a requirement for a particularly vibration-resistant contact, tension clamp technology proves extremely reliable. At the same time, our terminal blocks with proven tension clamp technology are perfect for compact yet manageable panel construction. The wide range with numerous additional functions and pluggable terminal blocks (WeiCoS), the wide clamping range and up to two cross-connection channels make the Z-Series perfectly adaptable to all requirements. Pluggable standard cross-connections enable flexible potential distribution.



#### Our promise

Klippon® Connect helps you reliably achieve a range of applications. Our terminal blocks with tension clamp technology are impressively compact and flexible. They contribute to highly efficient panel construction and improved productivity.



#### Flexibility

- Pluggable standard cross-connections for flexible potential distribution
- Secure interlocking of all plug-in connectors (WeiCoS)

**Time saving**

- Integrated test point
- Simple handling thanks to parallel alignment of conductor entry
- Can be wired without special tools

**Space saving**

- Compact design
- Length reduced by up to 36 percent in roof style

**Safety**

- Shock and vibration proof
- Separation of electrical and mechanical functions
- No-maintenance connection for a safe, gas-tight contacting
- The tension clamp is made of steel with an externally-sprung contact for optimum contact force
- Current bar made of copper for low voltage drops

**Overview****Exceptionally practical:**

The Z-Series has an impressive, practical design and comes in two variants: standard and roof. Our standard models cover wire cross-sections from 0.05 to 35 mm<sup>2</sup>. Terminal blocks for wire cross-sections from 0.13 to 16 mm<sup>2</sup> are available as roof variants. The striking shape of the roof style gives a reduction in length of up to 36 percent compared to standard terminal blocks.

**Simple and clear:**

Despite their compact width of just 5 mm (2 connections) or 10 mm (4 connections), our block terminals guarantee absolute clarity and ease of handling thanks to the top-entry conductor feeds. This means the wiring is clear even in terminal boxes with restricted space.



## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks

#### ZDUB 2.5-2/2AN/TS15

2.5 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 33.5 x 31
<b>30 / 4</b>
<b>0.13...4</b>

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	20	25	21
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			
CE			
KEMA97ATEX2755U			
<b>Rated connection</b>			
0.5...4			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
TS 15 - block construction			

#### Ordering data

<b>Version</b>	
	dark beige
	blue
	orange
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDUB 2.5-2/2AN/15	100	1712750000
ZDUB 2.5-2/2AN/15 BL	100	1712760000
ZDUB 2.5-2/2AN/15 OR	100	1712770000

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	orange
<b>End bracket</b>	
	beige
<b>Screwdriver</b>	
	Standard
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQB 2.5-2	24 A	50	1677120000
<b>ZAP ZDUB</b>			
ZAP ZDUB		50	1704750000
ZAP ZDUB BL		50	1704760000
ZAP ZDUB OR		50	1704770000
<b>ZEW 15</b>			
ZEW 15		20	7920340000
<b>SDIS SL 0.6X3.5X100</b>			
SDIS SL 0.6X3.5X100		1	1274660000
<b>DEK 5/5 MC NE WS</b>			
DEK 5/5 MC NE WS		1000	1609801044
<b>WS 10/5 MC NE WS</b>			
WS 10/5 MC NE WS		720	1635000000
<b>DEK 5/5 MM WS</b>			
DEK 5/5 MM WS		800	2007110000
<b>WS 8/5 MM WS</b>			
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

#### ZDUB 2.5-2/4AN/TS15

2.5 mm<sup>2</sup>

Four connections



10.2 x 33.5 x 31
<b>30 / 4</b>
<b>0.13...4</b>

IEC 60947-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	20	25	21
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			
CE			
KEMA97ATEX2755U			
<b>Rated connection</b>			
0.5...4			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
TS 15 - block construction			

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDUB 2.5-2/4AN/15	100	1712780000
ZDUB 2.5-2/4AN/15 BL	100	1712790000
ZDUB 2.5-2/4AN/15 OR	100	1712800000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQB 2.5-2	24 A	50	1677120000
<b>ZAP ZDUB</b>			
ZAP ZDUB		50	1704750000
ZAP ZDUB BL		50	1704760000
ZAP ZDUB OR		50	1704770000
<b>ZEW 15</b>			
ZEW 15		20	7920340000
<b>SDIS SL 0.6X3.5X100</b>			
SDIS SL 0.6X3.5X100		1	1274660000
<b>DEK 5/5 MC NE WS</b>			
DEK 5/5 MC NE WS		1000	1609801044
<b>WS 10/5 MC NE WS</b>			
WS 10/5 MC NE WS		720	1635000000
<b>DEK 5/5 MM WS</b>			
DEK 5/5 MM WS		800	2007110000
<b>WS 8/5 MM WS</b>			
WS 8/5 MM WS		800	2007150000

The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).



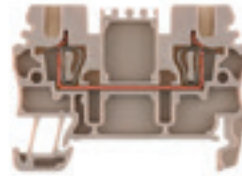
**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

Universal range

A

**ZDU 1.5** **1.5 mm<sup>2</sup>**

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 51.5 x 36.5
<b>17.5 / 1.5</b>
<b>0.05...1.5</b>

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
500	300	300	550				
17.5	15	20	15				
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>				
				6 kV / 3			
				B1 / V-0			
				KEMA01ATEX2106U			
<b>Rated connection</b>							
0.5...1.5							
0.5...1.5 / 0.5...1.5							
10 / 0.4 x 2.0 mm							

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 1.5	100	1775480000
ZDU 1.5 BL	100	1775490000

**Accessories**

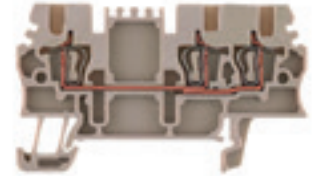
<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
	Standard
	With spigot
<b>Screwdriver</b>	
	Standard
<b>Reducing sleeves</b>	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU1.5/2AN		20	1776030000
ZAP/TW ZDU1.5/2AN BL		20	1776040000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

For detailed information on other accessories and application in the online catalogue

**ZDU 1.5/3 AN** **1.5 mm<sup>2</sup>**

Three connections



3.5 x 63.5 x 36.5
<b>17.5 / 1.5</b>
<b>0.05...1.5</b>

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
500	300	300	550				
17.5	15	20	15				
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>				
				6 kV / 3			
				B1 / V-0			
				KEMA01ATEX2106U			
<b>Rated connection</b>							
0.5...1.5							
0.5...1.5 / 0.5...1.5							
10 / 0.4 x 2.0 mm							

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 1.5/3AN	100	1775530000
ZDU 1.5/3AN BL	100	1775540000

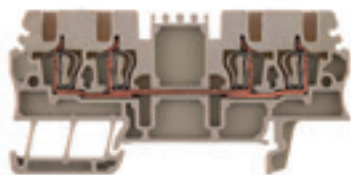
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU1.5/3AN		20	1776060000
ZAP/TW ZDU1.5/3AN BL		20	1776070000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

For detailed information on other accessories and application in the online catalogue

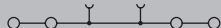
ZDU 1.5/4 AN

1.5 mm<sup>2</sup>

Four connections



3.5 x 75.5 x 36.5  
17.5 / 1.5  
0.05...1.5



IEC 60947-7-1

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	550
17.5	15	20	15
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>

6 kV / 3

B1 / V-0

CE

KEMA01ATEX2106U

Rated connection

0.5...1.5

0.5...1.5 / 0.5...1.5

10 / 0.4 x 2.0 mm

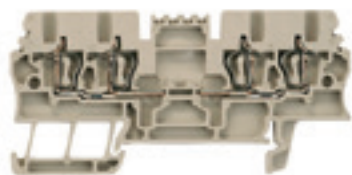
Type	Qty.	Order No.
ZDU 1.5/4AN	100	1775580000
ZDU 1.5/4AN BL	100	1775600000

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU 1.5/3AN		20	1776060000
ZAP/TW ZDU 1.5/3AN BL		20	1776070000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

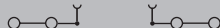
ZDU 1.5 2x2AN

1.5 mm<sup>2</sup>

2 x 2 connections



3.5 x 75.5 x 36.5  
17.5 / 1.5  
0.05...1.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			

6 kV / 3

B1 / V-0

CE

Rated connection

0.5...1.5

0.5...1.5 / 0.5...1.5

10 / 0.4 x 2.0 mm

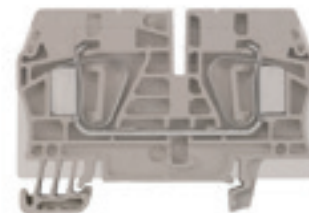
Type	Qty.	Order No.
ZDU 1.5/2X2AN	100	1826970000
ZDU 1.5/2X2AN BL	100	1826990000

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU 1.5/4AN		20	1776090000
ZAP/TW ZDU 1.5/4AN BL		20	1776100000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

ZEI 6

6 mm<sup>2</sup>

Supply terminal



10 x 65 x 45  
57 / 10  
0.5...10



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
41			
6			

8 kV / 4

A5 / V-0

CE

Rated connection

0.5...10

0.5...10 / 0.5...6

13 / 1.0 x 5.5 mm

Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZEI 6	20	1791190000

End plate is integrated.

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 0.8X4.0X100		1	1274670000
ZAD 3/4		20	1609120000
DEK 8 FSZ 1-10		500	1289660001
WS 12/6 MC NE WS		600	1609900000

The plug-in cross-connections ZQV 1.5/... can be used.

**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

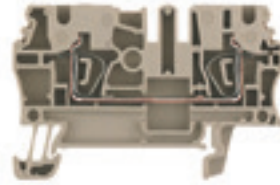
Universal range

A

**ZDU 2.5**

**2.5 mm<sup>2</sup>**

Two connections



**ZDU 2.5/3AN**

**2.5 mm<sup>2</sup>**

Three connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 59.5 x 38.5	
<b>31 / 4</b>	
<b>0.05...4</b>	

5.1 x 64.5 x 38.5	
<b>31 / 4</b>	
<b>0.05...4</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1	Ex e II  II 2 G D		
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	25	27	21
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
KEMA97ATEX2521U			
<b>Rated connection</b>			
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
<b>Note</b>			

IEC 60947-7-1	Ex e II  II 2 G D		
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	25	27	21
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
KEMA97ATEX2521U			
<b>Rated connection</b>			
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
<b>Note</b>			

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 2.5	100	<b>1608510000</b>
ZDU 2.5 BL	100	<b>1608520000</b>
Rated voltage is reduced to 400 V when using the cross-connector.		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 2.5/3AN	100	<b>1608540000</b>
ZDU 2.5/3AN BL	100	<b>1608550000</b>
Rated voltage is reduced to 400 V when using the cross-connector.		

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
	Standard
	With spigot
<b>Screwdriver</b>	
	Standard
<b>Reducing sleeves</b>	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW 1		50	<b>1608740000</b>
ZAP/TW 1 BL		50	<b>1608750000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 1		25	<b>1609040000</b>
ZTA 1/ZA		25	<b>1609050000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 2.5/1 WS		1000	<b>1614300000</b>
ZRH 2.5/2 GR/V0		1000	<b>1614290000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

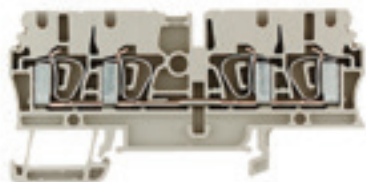
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW 2 DB		50	<b>1608770000</b>
ZAP/TW 2 BL		50	<b>1608780000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 1		25	<b>1609040000</b>
ZTA 1/ZA		25	<b>1609050000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 2.5/1 WS		1000	<b>1614300000</b>
ZRH 2.5/2 GR/V0		1000	<b>1614290000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

For detailed information on other accessories and application in the online catalogue

**ZDU 2.5/4AN**

**2.5 mm<sup>2</sup>**

Four connections



5.1 x 79.5 x 38.5  
27 / 4  
0.05...4



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	25	27	21
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>

8 kV / 3

A3 / V-0

KEMA97ATEX2521U

**Rated connection**

0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

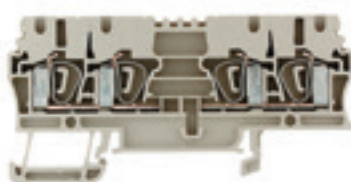
Type	Qty.	Order No.
ZDU 2.5/4AN	100	1608570000
ZDU 2.5/4AN BL	100	1608580000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW 3		50	1608800000
ZAP/TW 3 BL		50	1608810000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
ZAD 1/4		20	1609110000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

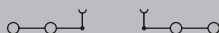
**ZDU 2.5/2x2AN**

**2.5 mm<sup>2</sup>**

Two potentials feasible



5.1 x 79.5 x 38.5  
30 / 4  
0.05...4



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	25	27	21
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>

8 kV / 3

A3 / V-0

KEMA97ATEX2521U

**Rated connection**

0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 2.5/2X2AN	100	1608600000
ZDU 2.5/2X2AN BL	100	1608610000

Type	current	Qty.	Order No.
ZAP/TW 3		50	1608800000
ZAP/TW 3 BL		50	1608810000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
ZAD 1/4		20	1609110000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000



# Spring connection with tension clamp technology (Z-Series)

## Feed-through terminal blocks

Universal range

A

### ZDU 4 4 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 62 x 43
<b>41 / 6</b>
<b>0.13...6</b>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			
KEMA97ATEX2521U			
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			
When using twin ferrules, the rated voltage is 690 V.			

#### Ordering data

Version	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDU 4	100	1632050000
ZDU 4 BL	100	1632060000

#### Accessories

Pluggable cross-connection	2-pole
	4-pole
	10-pole
End plate / Partition plate	dark beige
	Blue
End bracket	dark beige
Test adapter	Standard
	With spigot
Screwdriver	Standard
Reducing sleeves	For conductors < 0.5 mm <sup>2</sup> / AWG 20
Cover	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW 4		50	1632090000
ZAP/TW 4 BL		50	1632100000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
ZAD 2/4		20	1609080000
DEK 5/6 MC NE WS		1000	1609820000
WS 10/6 MC NE WS		600	1828450000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

### ZDU 4/3 AN 4 mm<sup>2</sup>

Three connections



6.1 x 83.5 x 43
<b>41 / 6</b>
<b>0.13...6</b>

IEC 60947-7-1	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			
KEMA00ATEX2107U			
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			
When using twin ferrules, the rated voltage is 690 V.			

Type	Qty.	Order No.
ZDU 4/3AN	50	7904180000
ZDU 4/3AN BL	50	7904190000

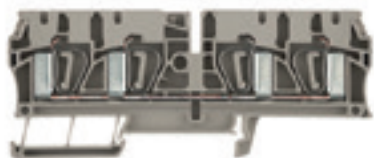
Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW 4/3AN		20	7904100000
ZAP/TW 4/3AN BL		20	7904110000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
ZAD 2/4		20	1609080000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

ZDU 4/4 AN

4 mm<sup>2</sup>

Four connections



6.1 x 104.5 x 43  
41 / 6  
0.13...6



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

8 kV / 3

A4 / V-0

KEMA00ATEX2107U

Rated connection

0.5...6 / 0.5...6

0.5...6 / 0.5...4

12 / 0.6 x 3.5 mm

When using twin ferrules, the rated voltage is 690 V.

Type	Qty.	Order No.
ZDU 4/4AN	50	7904290000
ZDU 4/4AN BL	50	7904300000

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW4/4AN		20	7904210000
ZAP/TW4/4AN BL		20	7904220000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
ZAD 2/4		20	1609080000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000

ZDU 6

6 mm<sup>2</sup>

Two connections



8.1 x 65 x 45  
57 / 10  
0.22...10



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	50	50	36
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>

8 kV / 3

A5 / V-0

KEMA97ATEX2521U

Rated connection

0.5...10

0.5...6 / 0.5...6

13 / 1.0 x 5.5 mm

The ZH 0.5 - ZH 2.5 twin ferrules can be used.

Type	Qty.	Order No.
ZDU 6	50	1608620000
ZDU 6 BL	50	1608630000

1000 V DC rated voltage tested.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW 5		50	1608830000
ZAP/TW 5 BL		50	1608840000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 3/4		20	1609120000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZDU 6/3 AN

6 mm<sup>2</sup>

Three connections



8.1 x 90 x 45  
57 / 10  
0.22...10



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	50	50	36
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>

8 kV / 3

A5 / V-0

KEMA00ATEX2107U

Rated connection

0.5...10

0.5...6 / 0.5...6

13 / 1.0 x 5.5 mm

The ZH 0.5 - ZH 2.5 twin ferrules can be used.

Type	Qty.	Order No.
ZDU 6/3AN	50	7907410000
ZDU 6/3AN BL	50	7907420000

1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW6/3AN		20	7907370000
ZAP/TW6/3AN BL		20	7907380000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 3/4		20	1609120000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

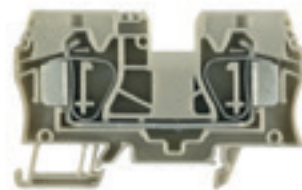
## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks

#### ZDU 10

10 mm<sup>2</sup>

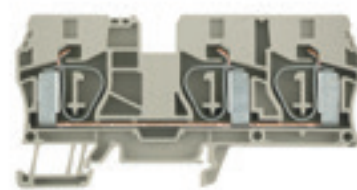
Two connections



#### ZDU 10/3AN

10 mm<sup>2</sup>

Three connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

10 x 73.5 x 49.5
<b>72 / 16</b>
<b>1.31...16</b>

10 x 99 x 49.5
<b>57 / 16</b>
<b>1.31...16</b>

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
1000	600	600	550				
57	60	55	50				
10	AWG 16...6	AWG 16...6	10 mm <sup>2</sup>				
8 kV / 3							
A6 / V-0							
				KEMA99ATEX5514U			
<b>Rated connection</b>							
1.5...1.5 / 1.5...16							
1.5...10 / 1.5...10							
18 / 1.0 x 5.5 mm							
Cross-connection of ZDU 10 and ZDU 16 is possible using the ZDV 16-10. Cross-connection of ZDU 10 and ZDU 35 is possible using the ZDV 35-10.							

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
800	600	600	550				
57	60	55	50				
10	AWG 16...6	AWG 16...6	10 mm <sup>2</sup>				
8 kV / 3							
A6 / V-0							
				KEMA00ATEX2107U			
<b>Rated connection</b>							
1.5...16 / 1.5...16							
1.5...10 / 1.5...10							
18 / 1.0 x 5.5 mm							
Cross-connection of ZDU 10 and ZDU 16 is possible using the ZDV 16-10. Cross-connection of ZDU 10 and ZDU 35 is possible using the ZDV 35-10.							

#### Ordering data

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 10	25	<b>1746750000</b>
ZDU 10 BL	25	<b>1746760000</b>
1000 VDC rated voltage tested.		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 10/3AN	20	<b>1767690000</b>
ZDU 10/3AN BL	20	<b>1767700000</b>
1000 VDC rated voltage tested.		

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Screwdriver</b>	
	Standard
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZDV 10/2		25	<b>1739680000</b>
ZAP/TW ZDU10		20	<b>1748660000</b>
ZAP/TW ZDU10 BL		20	<b>1764110000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 1.0X5.5X125		1	<b>1274680000</b>
ZAD 4/5		20	<b>1746730000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZDV 10/2		25	<b>1739680000</b>
ZAP/TW 10/16		20	<b>1749580000</b>
ZAP/TW 10/16 BL		20	<b>1768520000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 1.0X5.5X125		1	<b>1274680000</b>
ZAD 4/5		20	<b>1746730000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

For detailed information on other accessories and application in the online catalogue



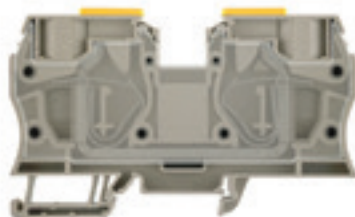
## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks

#### ZDU 35

35 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

16 x 100.5 x 58.5
<b>125 / 35</b>
<b>2.5...35</b>



#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
800	600	600	690
125	120	120	109
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3			
A8 / V-0			
CE		KEMA00ATEX2107U	
Rated connection			
2.5...16 / 2.5...35			
2.5...35 / 2.5...35			
25 / 1.0 x 5.5 mm			

**Note**

Cross-connection of ZDU 10 and ZDU 35 is possible using the ZDV 35-10. Cross-connection of ZDU 16 and ZDU 35 is possible using the ZDV 35-16.

#### Ordering data

Version	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDU 35	10	<b>1739620000</b>
ZDU 35 BL	10	<b>1739630000</b>

End plate is integrated. 1000 VDC rated voltage tested.

#### Accessories

Pluggable cross-connection	2-pole
	4-pole
End plate / Partition plate	dark beige
	Blue
End bracket	dark beige
Screwdriver	Standard
Cover	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZDV 35/2	105 A	10	<b>1739700000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 1.0X5.5X125		1	<b>1274680000</b>
ZAD 6/5		20	<b>1752620000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 15/5 MC NE WS		480	<b>1609880000</b>

For detailed information on other accessories and application in the online catalogue

