

Feed-through terminals

Standard form

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

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 of lowest version | 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 withstand voltage / Pollution severity Gauge to IEC 60947-1 / Flammability class UL94 | |
| Approvals | |
| Clamped conductors (H05V/H07V) | |
| Solid / stranded | mm ² |
| Flexible / Flexible with ferrule | mm ² |
| Stripping length / Blade size | mm/- |
| Note | |

Ordering data

| Version | |
|---------|------------------|
| | Dark beige Wemid |
| | Blue Wemid |
| Note | |

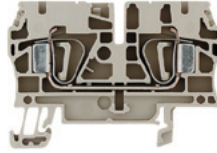
Accessories

| Pluggable cross-connection | |
|-----------------------------|---|
| | 2-pole |
| | 3-pole |
| | 4-pole |
| | 10-pole |
| | 20-/24-pole |
| End plate / Partition plate | |
| | Dark beige Wemid |
| | Blue Wemid |
| End bracket | |
| | Dark beige Wemid |
| Test adapter | |
| | Standard |
| | With assembly peg |
| Screwdriver | |
| | Standard |
| Reducing sleeves | |
| | For conductors < 0.5 mm ² / AWG 20 |
| | For conductors < 1.0 mm ² / AWG 18 |
| Cover | |
| | With lightning flash symbol |
| Identification systems | |
| | (see assortment in catalogue 7) |
| | Marking tags |
| Note | |

ZDU 4

4 mm²

Two connections



| |
|-----------------|
| 6.1 x 62 x 43.5 |
| 41 / 6 |
| 0.13...6 |

| IEC 60947-7-1 | Ex e II | Ex | II 2 G D |
|---|-------------|-------------|------------|
| IEC | UL | CSA | EN 60079-7 |
| 800 | 600 (C) | 600 (C) | 550 |
| 32 | 33 (C) | 35 (C) | 28 |
| 4 | AWG 26...10 | AWG 26...10 | 4 |
| 8 kV / 3 | | | |
| A4 / V-0 | | | |
| KEMA 97ATEX2521 U | | | |
| 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 | 100 | 1632050000 |
| ZDU 4 BL | 100 | 1632060000 |

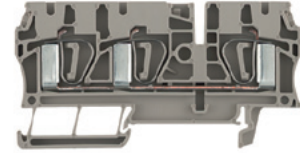
| Type | current | Qty. | Order No. |
|---------------------|---------|------|------------|
| ZQV 4/2 GE | 32 A | 60 | 1608950000 |
| ZQV 4/3 GE | 32 A | 60 | 1608960000 |
| ZQV 4/4 GE | 32 A | 60 | 1608970000 |
| ZQV 4/10 GE | 32 A | 20 | 1609030000 |
| ZQV 4/20 GE | 32 A | 20 | 1909010000 |
| Width | | | |
| ZAP/TW 4 | 2 mm | 50 | 1632090000 |
| ZAP/TW 4 BL | 2 mm | 50 | 1632100000 |
| ZEW 35 | 6 mm | 20 | 9540000000 |
| ZTA 2 ZDU4 | 6.1 mm | 25 | 1609060000 |
| ZTA 2/ZA ZDU4 | 6.1 mm | 25 | 1609070000 |
| SDIS SL 0.6X3.5X100 | | 1 | 1274660000 |
| ZRH 4/1 WS | 7.4 mm | 1000 | 1636640000 |
| ZRH 4/2 | 7.4 mm | 1000 | 1636650000 |
| ZAD 2/4 | 8.94 mm | 20 | 1609080000 |

| Identification systems | |
|------------------------|---------------------------------|
| | (see assortment in catalogue 7) |
| | Marking tags |
| Note | |

ZDU 4/3 AN

4 mm²

Three connections



| |
|-------------------|
| 6.1 x 83.5 x 43.5 |
| 41 / 6 |
| 0.13...6 |

| IEC 60947-7-1 | Ex e II | Ex | II 2 G D |
|---|-------------|-------------|------------|
| IEC | UL | CSA | EN 60079-7 |
| 800 | 600 (C) | 600 (C) | 550 |
| 32 | 33 (C) | 35 (C) | 28 |
| 4 | AWG 26...10 | AWG 26...10 | 4 |
| 8 kV / 3 | | | |
| A4 / V-0 | | | |
| KEMA 00ATEX2107 U | | | |
| 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 4/3 GE | 32 A | 60 | 1608960000 |
| ZQV 4/4 GE | 32 A | 60 | 1608970000 |
| ZQV 4/10 GE | 32 A | 20 | 1609030000 |
| ZQV 4/20 GE | 32 A | 20 | 1909010000 |
| Width | | | |
| ZAP/TW 4/3AN | 2 mm | 20 | 7904100000 |
| ZAP/TW 4/3AN BL | 2 mm | 20 | 7904110000 |
| ZEW 35 | 6 mm | 20 | 9540000000 |
| ZTA 2 ZDU4 | 6.1 mm | 25 | 1609060000 |
| ZTA 2/ZA ZDU4 | 6.1 mm | 25 | 1609070000 |
| SDIS SL 0.6X3.5X100 | | 1 | 1274660000 |
| ZRH 4/1 WS | 7.4 mm | 1000 | 1636640000 |
| ZRH 4/2 | 7.4 mm | 1000 | 1636650000 |
| ZAD 2/4 | 8.94 mm | 20 | 1609080000 |

| Identification systems | |
|------------------------|---------------------------------|
| | (see assortment in catalogue 7) |
| | Marking tags |
| Note | |

PE terminals

Standard model

Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm².

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 of lowest version | mm |
| max. current / max. cond. cross-section | A/mm ² |
| Max. clamping range | mm ² |

Technical data

| | |
|--|-----------------|
| Rated data | |
| Rated cross-section | mm ² |
| Rated voltage to adjoining terminal | V |
| Rated impulse withstand voltage to adjacent terminal | kV |
| Pollution severity | |
| Gauge to IEC 60947-1 / Flammability class UL94 | |
| Approvals | |
| Clamped conductors (H05V/H07V) | |
| Solid / stranded | mm ² |
| Flexible / Flexible with ferrule | mm ² |
| Stripping length / Blade size | mm/- |
| Note | |

Ordering data

| | |
|----------------|--------------------|
| Version | green/yellow Wemid |
| Note | |

Accessories

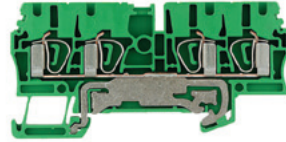
| | |
|------------------------------------|--|
| End plate / Partition plate | Dark beige Wemid |
| End bracket | Dark beige Wemid |
| Test adapter | Standard With assembly peg |
| Screwdriver | Standard |
| Reducing sleeves | For conductors < 0.5 mm ² / AWG 20 For conductors < 1.0 mm ² / AWG 18 |

| | |
|-------------------------------|---|
| Identification systems | (see assortment in catalogue 7) Marking tags |
| Note | |

ZPE 2.5/4AN

2.5 mm²

Four connections



| | |
|-------------------|--|
| 5.1 x 79.5 x 39.5 | |
| / 4 | |
| 0.05...4 | |

| | | | | | |
|-------------------------|-------------|-------------|-------------------|-------------------|--|
| IEC 60947-7-2 | | | | Ex e II II 2 G D | |
| IEC | UL | CSA | EN 60079-7 | | |
| 2.5 | AWG 30...12 | AWG 26...12 | 2.5 | | |
| 800 | | | | | |
| 8 | | | | | |
| 3 | | | | | |
| A3 / V-0 | | | | | |
| | | | | | |
| KEMA 97ATEX2521 U | | | | | |
| Rated connection | | | | | |
| 0.5...4 | | | | | |
| 0.5...4 / 0.5...2.5 | | | | | |
| 10 / 0.6 x 3.5 mm | | | | | |

| | | |
|-------------|-------------|------------------|
| Type | Qty. | Order No. |
| ZPE 2.5/4AN | 100 | 1608660000 |

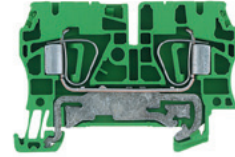
| | | | |
|---------------------|--------------|-------------|------------------|
| Type | Width | Qty. | Order No. |
| ZAP/TW 3 | 2 mm | 50 | 1608800000 |
| ZEW 35 | 6 mm | 20 | 9540000000 |
| ZTA 1 | 5.1 mm | 25 | 1609040000 |
| ZTA 1/ZA | 5.1 mm | 25 | 1609050000 |
| SDIS SL 0.6X3.5X100 | | 1 | 1274660000 |
| ZRH 2.5/1 WS | 5.55 mm | 1000 | 1614300000 |
| ZRH 2.5/2 GR/V0 | 5.55 mm | 1000 | 1614290000 |

| | |
|-------------------------------|---|
| Identification systems | (see assortment in catalogue 7) Marking tags |
| Note | |

ZPE 4

4 mm²

Two connections



| | |
|-----------------|--|
| 6.1 x 64 x 43.5 | |
| / 6 | |
| 0.13...6 | |

| | | | | | |
|-------------------------|-------------|-------------|-------------------|-------------------|--|
| IEC 60947-7-2 | | | | Ex e II II 2 G D | |
| IEC | UL | CSA | EN 60079-7 | | |
| 4 | AWG 26...10 | AWG 26...10 | 4 | | |
| 800 | | | | | |
| 8 | | | | | |
| 3 | | | | | |
| A4 / V-0 | | | | | |
| | | | | | |
| KEMA 97ATEX2521 U | | | | | |
| Rated connection | | | | | |
| 0.5...6 / 1.5...6 | | | | | |
| 0.5...6 / 0.5...4 | | | | | |
| 12 / 0.6 x 3.5 mm | | | | | |

| | | |
|-------------|-------------|------------------|
| Type | Qty. | Order No. |
| ZPE 4 | 100 | 1632080000 |

| | | | |
|---------------------|--------------|-------------|------------------|
| Type | Width | Qty. | Order No. |
| ZAP/TW 4 | 2 mm | 50 | 1632090000 |
| ZEW 35 | 6 mm | 20 | 9540000000 |
| ZTA 2 ZDU4 | 6.1 mm | 25 | 1609060000 |
| ZTA 2/ZA ZDU4 | 6.1 mm | 25 | 1609070000 |
| SDIS SL 0.6X3.5X100 | | 1 | 1274660000 |
| ZRH 4/1 WS | 7.4 mm | 1000 | 1636640000 |
| ZRH 4/2 | 7.4 mm | 1000 | 1636650000 |

| | |
|-------------------------------|---|
| Identification systems | (see assortment in catalogue 7) Marking tags |
| Note | |

... for standard terminals

| Type | Width | Colour | Qty. | Order No. | For terminal: |
|---------------------|--------|-----------------|------|------------|--|
| ZAP/TW ZDL2.5-2N | 1.5 mm | dark beige | 20 | 1782340000 | ZDL2 2.5-2 N/BL |
| ZAP/TW ZDL2.5-2N BL | 1.5 mm | blue | 20 | 1782350000 | ZDL2 2.5-2 VN |
| ZAP/TW ZDL2.5-2N OR | 1.5 mm | orange | 20 | 1782360000 | ZDL2 2.5-2 VN/BL ZDL2 2.5-2 N |
| Width 1.5 mm | | | | | |
| ZAP ZMAK2.5 | 1.5 mm | dark beige | 10 | 1768010000 | ZMAK 2.5 |
| Width 1.5 mm | | | | | |
| AP ZDTR2.5 | 1.5 mm | dark beige | 20 | 1745420000 | ZDTR 2.5 |
| AP ZDTR2.5 BL | 1.5 mm | blue | 20 | 1798340000 | ZDTR 2.5 BL |
| Width 2 mm | | | | | |
| ZAP/TW 4 BL | 2 mm | blue/light blue | 50 | 1632100000 | ZDU 4 |
| ZAP/TW 4 | 2 mm | dark beige | 50 | 1632090000 | ZDU 4 BL |
| ZAP/TW 4 GN | 2 mm | green | 50 | 1683920000 | ZPE 4 |
| ZAP/TW 4 OR | 2 mm | orange | 50 | 1632110000 | |
| Width 2 mm | | | | | |
| ZAP/TW 4/3AN BL | 2 mm | blue | 20 | 7904110000 | ZDU 4/3AN |
| ZAP/TW 4/3AN OR | 2 mm | orange | 20 | 7904120000 | ZDU 4/3AN BL |
| ZAP/TW 4/3AN | 2 mm | dark beige | 20 | 7904100000 | ZPE 4/3AN |
| Width 2 mm | | | | | |
| ZAP/TW4/4AN | 2 mm | dark beige | 20 | 7904210000 | ZDU 4/4AN |
| ZAP/TW4/4AN BL | 2 mm | blue | 20 | 7904220000 | ZDU 4/4AN BL |
| ZAP/TW4/4AN OR | 2 mm | orange | 20 | 7904230000 | ZPE 4/4AN |
| Width 2 mm | | | | | |
| ZAP/TW 5 | 2 mm | dark beige | 50 | 1608830000 | ZDU 6 |
| ZAP/TW 5 BL | 2 mm | blue/light blue | 50 | 1608840000 | ZDU 6 BL |
| ZAP/TW 5 OR | 2 mm | orange | 50 | 1608850000 | ZPE 6 |
| Width 2 mm | | | | | |
| ZAP/TW6/3AN BL | 2 mm | blue | 20 | 7907380000 | ZDU 6/3AN |
| ZAP/TW6/3AN OR | 2 mm | orange | 20 | 7907390000 | ZDU 6/3AN BL |
| ZAP/TW6/3AN | 2 mm | dark beige | 20 | 7907370000 | ZPE 6/3AN |
| Width 2.7 mm | | | | | |
| ZAP/TW ZDU10 | 2.7 mm | beige | 20 | 1748660000 | ZDU 10 |
| ZAP/TW ZDU10 BL | 2.7 mm | blue/light blue | 20 | 1764110000 | ZDU 10 BL ZPE 10 |
| Width 3 mm | | | | | |
| ZAP/TW 10/16 | 3 mm | beige | 20 | 1749580000 | ZDU 10/3AN ZDU 10/3AN BL ZDU 16/3AN ZDU 16/3AN BL ZPE 10/3AN ZPE 16/3AN |
| ZAP/TW 10/16 BL | 3 mm | blue | 20 | 1768520000 | |
| Width 3 mm | | | | | |
| ZAP/TW ZDU16 | 3 mm | dark beige | 20 | 1745150000 | ZDU 16 |
| ZAP/TW ZDU16 BL | 3 mm | blue/light blue | 20 | 1764100000 | ZDU 16 BL ZPE 16 |

... for roof-style terminals

| Type | Width | Colour | Qty. | Order No. | For terminal: |
|--------------------|--------|-----------------|------|------------|--|
| ZAP/TW7 | 2.5 mm | dark beige | 50 | 1706110000 | ZDU 2.5-2 |
| ZAP/TW7 BL | 2.5 mm | blue/light blue | 50 | 1706120000 | ZDU 2.5-2 BL |
| ZAP/TW7 OR | 2.5 mm | orange | 50 | 1706130000 | ZDU 2.5-2/3AN ZDU 2.5-2/3AN BL ZDU 2.5-2/4AN ZDU 2.5-2/4AN BL ZDU 2.5-2/D+ ZDU 2.5-2/D- ZPE 2.5-2 ZPE 2.5-2/3AN ZPE 2.5-2/4AN ZTR 2.5-2 ZTR 2.5-2 BL ZTR 2.5-2/O.TNHE |
| Width 2 mm | | | | | |
| ZAP/TW ZDK2.5-2 | 2 mm | dark beige | 20 | 1791050000 | ZDK 2.5-2 |
| ZAP/TW ZDK2.5-2 BL | 2 mm | blue | 20 | 1791060000 | ZDK 2.5-2 BL |
| ZAP/TW ZDK2.5-2 OR | 2 mm | orange | 20 | 1791070000 | ZDK 2.5-2 PE ZDK 2.5V ZDK 2.5V BL |

... for roof-style terminals

| Type | Width | Colour | Qty. | Order No. | For terminal: |
|---------------------|--------|------------|------|------------|---|
| ZAP/TW ZDKPE2.5-2 | 2 mm | dark beige | 25 | 1805960000 | ZDKPE 2.5-2 ZDKPE 2.5-2/N/L/PE |
| Width 2 mm | | | | | |
| ZAP ZDU4-2 | 2 mm | dark beige | 50 | 1770400000 | ZDU 4-2/2AN |
| ZAP ZDU4-2 BL | 2 mm | blue | 50 | 1770880000 | ZDU 4-2/2AN BL |
| ZAP ZDU4-2 OR | 2 mm | orange | 50 | 1770890000 | ZDU 4-2/3AN ZDU 4-2/3AN BL ZDU 4-2/3AN LSC ZPE 4-2/2AN ZPE 4-2/3AN |
| Width 2 mm | | | | | |
| ZAP ZDU4-2/4AN | 2 mm | dark beige | 50 | 1807010000 | ZDU 4-2/4AN |
| ZAP ZDU4-2/4AN BL | 2 mm | blue | 50 | 1807020000 | ZDU 4-2/4AN BL |
| ZAP ZDU4-2/4AN OR | 2 mm | orange | 50 | 1807030000 | ZPE 4-2/4AN |
| Width 2.5 mm | | | | | |
| ZAP ZDU6-2 | 2.5 mm | dark beige | 50 | 1771440000 | ZDU 6-2/2AN |
| ZAP ZDU6-2 BL | 2.5 mm | blue | 50 | 1771450000 | ZSI 6-2 2X2.5/G20 |
| ZAP ZDU6-2 OR | 2.5 mm | orange | 50 | 1771460000 | ZSI 6-2 2X2.5/G20/LD1 ZSI 6-2 2X2.5/G20/LD2 ZSI 6-2 2X2.5/G20/LD3 ZSI 6-2 2X2.5/G20/LD4 ZSI 6-2/FC ZSI 6-2/FC LD ZTR 6-2 ZTR 6-2 E / 230V UC ZTR 6-2 E / 24V DC ZDU 6-2/2AN BL ZDU 6-2/3AN ZDU 6-2/3AN BL ZPE 6-2/2AN ZPE 6-2/3AN ZSI 2.5-2/2X2AN/G20 ZSI 2.5-2/2X2AN/G20/LD1 ZSI 2.5-2/2X2AN/G20/LD2 |
| ZAP ZDU6-2 SW | 2.5 mm | black | 50 | 1814710000 | |
| Width 2.5 mm | | | | | |
| ZAP/Z...16-2/1AN | 2.5 mm | dark beige | 10 | 1772970000 | ZPE 16-2/1AN |

... for initiator-actuator terminals

| Type | Width | Colour | Qty. | Order No. | For terminal: |
|---------------------|--------|------------|------|------------|--|
| ZAP/TW ZPV1.5 | 5.1 mm | dark beige | 50 | 1674650000 | ZAP/TW ZPV1.5 ZPV 1.5 |
| Width 5.1 mm | | | | | |
| ZAP/TW ZIA1.5/3L | 5.1 mm | beige | | 1649540000 | ZIA 1.5/3L-1S ZIA 1.5/3L-1S/LD ZIA 1.5/3L-PE |
| Width 5.1 mm | | | | | |
| ZAP/TW ZIA1.5/4L | 5.1 mm | beige | | 1649550000 | ZIA 1.5/4L-1S ZIA 1.5/4L-1S/LD ZIA 1.5/4L-PE |
| Width 5 mm | | | | | |
| AP ZRV1.5 DB | 5 mm | dark beige | 10 | 1698180000 | |