



General ordering data

| | |
|------------------|---|
| Order No. | 1020200000 |
| Part designation | WDU 6 |
| Version | Feed-through terminal, 6 mm ² , Screw connection, Wemid, dark beige, TS 35 |
| EAN | 4008190163440 |
| Qty. | 100 pc(s). |

Product notes

| | |
|----------------------|---|
| Note, ordering data | For colours available see section W-series accessories "Specific functions" |
| Note, technical data | Note max. current of terminal (57 A) when using WQV! Conductor connection H07V-..10 and AWG 8 tighten with 1.4-1.6 Nm. |
| Product description | Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular. |
| Note, accessories | Socket and test plug, see section "W Series accessories", shielding rail LS 2.8 1056400000. |

PT OKIECEEx/ATEX rating data

| | |
|--------------------------------------|---|
| EU-type examination certificate | KEMA98ATEX1683U |
| Download, German | KEMA98ATEX1683U_d.pdf |
| Download English | KEMA98ATEX1683U_e.pdf |
| IECEEx Certificate of Conformity | IECEXULD05.0008U |
| ATEX voltage | 550 V |
| ATEX current | 36 A |
| ATEX conductor cross-section | 6 mm ² |
| IECEEx voltage | 550 V |
| IECEEx current | 36 A |
| IECEEx conductor cross-section | 6 mm ² |
| Voltage when using cross-connections | CrossConnectionGuide.pdf |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
| Marking EN 60079-7 | Ex e II |

PT OKIECEEx/ATEX rating data

Marking ATEX Directive 94/9/EC Ex II 2 G D

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

| | |
|--|---------------------|
| Solid, min. | 0.5 mm ² |
| Solid, max. | 2.5 mm ² |
| Flexible, min. | 0.5 mm ² |
| Flexible, max. | 2.5 mm ² |
| Flexible with ferrule, min. (DIN 46228 pt 1) | 0.5 mm ² |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 2.5 mm ² |

Additional technical data

| | |
|--|-----------------------|
| Colour of insulating material | dark beige |
| Connection direction | on side |
| End plate required | Yes |
| Explosion-tested version "Ex e" | Yes |
| Installation advice | TS 35 |
| Insulating material | Wemid |
| Levels cross-connected internally | No |
| No. of identical terminals | 1 |
| No. of levels | 1 |
| No. of terminal strips per level | 2 |
| Open sides | right |
| Operating temperature range | - 50 °C, + 120 °C |
| Product family | W-Series |
| Type of connection | Screwed |
| Type of mounting | Snap-on |
| UL 94 flammability rating of insulation material | V-0 |
| Version | Feed-through terminal |

CSA rating data

| | |
|--------------------------|--------|
| Voltage (CSA) | 600 V |
| CSA current | 50 A |
| Min. cross-section (CSA) | AWG 22 |
| Max. cross-section (CSA) | AWG 8 |

Conductors for clamping (rated connection)

| | |
|--|----------------------|
| Clamping range, min. | 0.22 mm ² |
| Clamping range, max. | 10 mm ² |
| Type of connection | Screw connection |
| 2nd type of connection | screwed |
| Connection direction | on side |
| No. of connections | 2 |
| Stripping length | 12 mm |
| Clamping screw | M 3.5 |
| Blade size | 4.0 x 0.8 mm |
| Tightening torque range | 0.8...1.6 Nm |
| Torque level with DMS electric screwdriver | 3 |
| Gauge to IEC 60947-1 | A5 |
| Solid, min. | 0.5 mm ² |
| Solid, max. | 10 mm ² |

Conductors for clamping (rated connection)

| | |
|--|----------------------|
| Stranded, min. | 1.5 mm ² |
| Stranded, max. | 10 mm ² |
| Flexible, min. | 0.5 mm ² |
| Flexible, max. | 10 mm ² |
| Flexible with ferrule, min. (DIN 46228/1) | 0.5 mm ² |
| Flexible with ferrule, max. (DIN 46228/1) | 6 mm ² |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 0.5 mm ² |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 6 mm ² |
| Twin wire-end ferrule, min. | 0.5 mm ² |
| Twin wire end ferrule, max. | 4 mm ² |
| AWG conductor size, min. | AWG 26 |
| AWG conductor size, max. | AWG 8 |
| AWG conductor size, min. | 0.13 mm ² |
| AWG conductor size, max. | 8.37 mm ² |

Dimensions

| | |
|--------------------------|--------|
| Width | 7.9 mm |
| Height of lowest version | 47 mm |
| Length | 60 mm |
| Weight | 14.8 g |
| TS 35 offset | 32 mm |

Disconnect terminals

| | |
|--|---|
| Torque level with DMS electric screwdriver | 3 |
|--|---|

Rating data

| | |
|-----------------------------|-------------------|
| Rated cross-section | 6 mm ² |
| Rated voltage | 800 V |
| Rated impulse voltage | 8 kV |
| Rated current | 41 A |
| Standards | IEC 60947-7-1 |
| Current with max. conductor | 57 A |
| Pollution severity | 3 |

UL rating data

| | |
|-------------------------|--------|
| Voltage (UL) | 600 V |
| Current (UL) | 50 A |
| Min. cross-section (UL) | AWG 22 |
| Max. cross-section (UL) | AWG 8 |

Approvals

Approvals institutes



CSAEX CURUSEX



GOSTEX



IEC EX

Approvals



Downloads

STEP 1020200000_09254_WDU_6_STP.stp

Classifications

| | |
|------------|-------------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| eClass 4.1 | 27-14-11-20 |
| eClass 5.0 | 27-14-11-20 |
| eClass 5.1 | 27-14-11-20 |

Similar products

| Order No. | Part designation | Version |
|------------|------------------|---|
| 1020280000 | WDU 6 BL | Feed-through terminal, 6 mm ² , Screw connection, Wemid, blue, TS 35 |
| 1020260000 | WDU 6 OR | Feed-through terminal, 6 mm ² , Screw connection, Polyamide, Orange, TS 35 |
| 1020240000 | WDU 6 RT | Feed-through terminal, 6 mm ² , Screw connection, Polyamide, red, TS 35 |
| 1020210000 | WDU 6 SW | Feed-through terminal, 6 mm ² , Screw connection, Polyamide, black, TS 35 |