

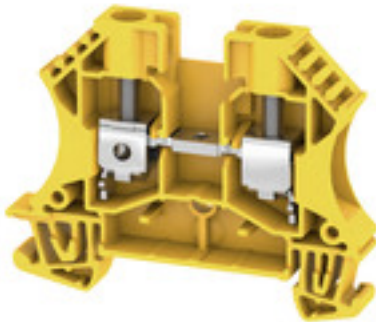
WDU 6 GE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

| | |
|------------|----------------------------------------------------------------------------------|
| Version | Feed-through terminal, Screw connection, 6 mm ² , 800 V, 41 A, yellow |
| Order No. | 1040220000 |
| Type | WDU 6 GE |
| GTIN (EAN) | 4008 190942823 |
| Qty. | 100 pc(s). |

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 46.5 mm | Depth (inches) | 1.831 inch |
| Depth including DIN rail | 47 mm | Height | 60 mm |
| Height (inches) | 2.362 inch | Net weight | 13.13 g |
| Weight | 14.8 g | Width | 7.9 mm |
| Width (inches) | 0.311 inch | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---------------------------------------------------------------------------------------------------|
| Storage temperature | | Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
| | -25 °C...55 °C | | |
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |

Material data

| | | | |
|---------------------------|-------|--------|--------|
| Material | Wemid | Colour | yellow |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------|-------------------|
| Certificate No. (ATEX) | DEMKO14ATEX1338U | Certificate No. (IECEX) | IECEXULD14.0005U |
| Max. voltage (ATEX) | 690 V | Current (ATEX) | 41 A |
| Wire cross section max. (ATEX) | 6 mm ² | Max. voltage (IECEX) | 690 V |
| Current (IECEX) | 41 A | Wire cross section max. (IECEX) | 6 mm ² |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7 | |
| | | | Ex eb II C Gb |
| Ex 2014/34/EU label | II 2 G D | | |

System specifications

| | | | |
|-------------------------------------|-----------------------------------------------------------------------------|-------------------------------|-----|
| Version | Screw connection, for screwable cross-connection, One end without connector | End cover plate required | Yes |
| Number of potentials | 1 | Number of levels | 1 |
| Number of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | No |
| Rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

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

| | | | |
|------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------|---------------------|
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 2.5 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm ² |
| Wire connection cross section, finely stranded, two clampable wires, min. | 0.5 mm ² | Wire cross-section, finely stranded, two clampable wires, max. | 2.5 mm ² |

Additional technical data

| | | | |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | Yes | Number of similar terminals | 1 |
| Open sides | right | Type of mounting | Snap-on |

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Technical data

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA) | 200039-1057876 | Current size C (CSA) | 50 A |
| Voltage size C (CSA) | 600 V | Wire cross section max. (CSA) | 8 AWG |
| Wire cross section min. (CSA) | 22 AWG | | |

Conductors for clamping (rated connection)

| | | | |
|------------------------------------------|------------------------------|----------------------------------------|----------------------------|
| Blade size | 0.8 x 4.0 mm | | |
| Clampable conductor | Connection specification | Screw connection | |
| | | Cross-section for conductor connection | Type solid, H05(07) V-U |
| | | | min. 0.5 mm ² |
| | | | max. 10 mm ² |
| | | nominal 6 mm ² | |
| | wire end ferrule | Stripping length | min. 12 mm |
| | | | max. 12 mm |
| | | | nominal 12 mm |
| | | Tightening torque | min. 0.8 Nm |
| | | max. 1.6 Nm | |
| | Recommended wire-end ferrule | | |
| | Connection specification | Screw connection | |
| | | Cross-section for conductor connection | Type stranded, H07V-R |
| | | | min. 1.5 mm ² |
| | | | max. 10 mm ² |
| | | nominal 6 mm ² | |
| | wire end ferrule | Stripping length | min. 12 mm |
| | | | max. 12 mm |
| | | | nominal 12 mm |
| | | Tightening torque | min. 0.8 Nm |
| | | max. 1.6 Nm | |
| | Recommended wire-end ferrule | | |
| | Connection specification | Screw connection | |
| | | Cross-section for conductor connection | Type flexible, H05(07) V-K |
| | | min. 0.5 mm ² | |
| | | max. 10 mm ² | |
| | nominal 6 mm ² | | |
| wire end ferrule | Stripping length | min. 12 mm | |
| | | max. 12 mm | |
| | | nominal 12 mm | |
| | Tightening torque | min. 0.8 Nm | |
| | max. 1.6 Nm | | |
| Recommended wire-end ferrule | | | |
| Clamping range, max. | 10 mm ² | | |
| Clamping range, min. | 0.22 mm ² | | |
| Clamping screw | M 3.5 | | |
| Connection cross-section, stranded, max. | 10 mm ² | | |
| Connection cross-section, stranded, min. | 1.5 mm ² | | |
| Connection direction | on side | | |
| Gauge to IEC 60947-1 | A5 | | |
| Number of connections | 2 | | |
| Stripping length | 12 mm | | |
| Tightening torque, max. | 1.6 Nm | | |
| Tightening torque, min. | 0.8 Nm | | |

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| Torque level with DMS electric screwdriver | 3 |
| Twin wire-end ferrules, max. | 4 mm ² |
| Twin wire-end ferrules, min. | 0.5 mm ² |
| Type of connection | Screw connection |
| Wire connection cross section AWG, max. | AWG 8 |
| Wire connection cross section AWG, min. | AWG 26 |
| Wire connection cross section, finely stranded, max. | 10 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² |
| Wire connection cross-section, solid core, max. | 10 mm ² |
| Wire connection cross-section, solid core, min. | 0.5 mm ² |

General

| | | | |
|-----------------------------------------|-------|-----------------------------------------|---------------|
| Rail | TS 35 | Standards | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 8 | Wire connection cross section AWG, min. | AWG 26 |

Rating data

| | | | |
|----------------------------------------------|---------|---------------------------------|-------------------|
| Power loss in accordance with IEC 60947-7-x | 1.31 W | Rated cross-section | 6 mm ² |
| Rated voltage | 800 V | Rated current | 41 A |
| Current at maximum wires | 57 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.78 mΩ | Rated impulse withstand voltage | 8 kV |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 8 AWG |
| Conductor size Factory wiring min. (UR) | 22 AWG | Conductor size Field wiring max. (UR) | 8 AWG |
| Conductor size Field wiring min. (UR) | 22 AWG | Current size C (UR) | 50 A |
| UL_current_Print | 50 A | UL_voltage_Print | 600 V |
| UL_wire_max_Print | 8 AWG | UL_wire_min_Print | 22 AWG |
| Voltage size C (UR) | 600 V | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ECLASS 9.0 | 27-14-11-20 | ECLASS 9.1 | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |

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Technical data

Approvals

Approvals



| | |
|-----------------------|---------|
| ROHS | Conform |
| UL File Number Search | E60693 |

Downloads

| | |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEx Certificate CB Testreport CB Certificate EAC certificate DNVGL certificate NEMKO certificate INMETRO certificate Lloyds Register Certificate MARITREG Certificate POLSKIREJ certificate EAC EX Certificate CCC Ex Certificate ATEX Certificate |
| Engineering Data | STEP |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| User Documentation | NTI WDU/WPE 6 StorageConditionsTerminalBlocks |

Data sheet

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Drawings

