# WPD 305 3X35/6X25+9X16 3XRD

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



RoHS COMPLIANT

**Power feed-in**
Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

## General ordering data

| | |
|---|---|
| Version | W-Series, Distribution block, Rated cross-section: Screw connection |
| Order No. | 2725330000 |
| Type | WPD 305 3X35/6X25+9X16 3XRD |
| GTIN (EAN) | 4050118796551 |
| Qty. | 1 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 53.7 mm | Depth (inches) | 2.114 inch |
| Height | 70 mm | Height (inches) | 2.756 inch |
| Width | 106.8 mm | Width (inches) | 4.205 inch |
| Net weight | 432 g | | |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 130 °C | | |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | Lead 7439-92-1 |

### Material data

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

### System specifications

| | | | |
|---|---|---|---|
| Version | Screw connection | End cover plate required | No |
| Number of potentials | 3 | Number of levels | 1 |
| Number of clamping points per level | 6 | Number of potentials per tier | 3 |
| Levels cross-connected internally | Yes | Rail | Mounting plate, TS 35 |
| N-function | No | PE function | No |
| PEN function | No | | |

### Additional technical data

| | | | |
|---|---|---|---|
| Open sides | closed | Type of mounting | Snap-on |

### Conductors for clamping (rated connection)

| | | | |
|---|---|---|---|
| Connection direction | on side | Type of connection | Screw connection |

### General

| | | | |
|---|---|---|---|
| Number of poles | 3 | Rail | Mounting plate, TS 35 |
| Standards | IEC 60947-7-1, UL 1059 | | |

### Rating data

| | | | |
|---|---|---|---|
| Rated AC voltage | 1,000 V | Rated current | 214 A |
| Current at maximum wires | 125 A | Standards | IEC 60947-7-1, UL 1059 |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | 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 |

### Downloads

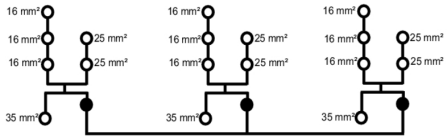
| | |
|---|---|
| Approval/Certificate/Document of Conformity | Declaration of Conformity |
| Catalogues | Catalogues in PDF-format |

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## Drawings



# Power distribution
## Screw connection

### W-Series
### WPD 105 1x35+1x16/2x25+3x16

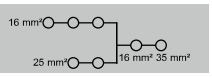
| WPD 105 | 35 mm² |
|---|---|

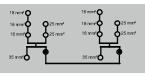


| WPD 205 | 35 mm² |
|---|---|



| | | |
|---|---|---|
| **Width / Height / Depth** | **35.6 / 53.7 / 70** | **71.2 / 53.7 / 70** |
| **max. current / max. conductor** | **125 / 35** | **125 / 35** |
| **max. clamping range** | **2.5...35** | **2.5...35** |



## Technical data

| Rated data | | | IEC 60947-7-1 (Cu), UL 1059 (Cu+Al) | | | | IEC 60947-7-1 (Cu), UL 1059 (Cu+Al) | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | IEC | UL | CSA | EN 60079-7 | IEC | UL | CSA | EN 60079-7 |
| Rated voltage | | V | 1000 | 600 | 600 | 690 | 1000 | 600 | 600 | 690 |
| Rated current | | A | 125 | 115 | 85 | 125 | 125 | 115 | 85 | 125 |
| for wire cross-section | 35 mm² | mm² | 35 | AWG 12...2 | AWG 12...2 | 35 | 35 | AWG 12...2 | AWG 12...2 | 35 |
| Rated impulse withstand voltage / Pollution severity | | | 8 kV / 3 | | | | 8 kV / 3 | | | |
| Overvoltage category / UL 94 flammability rating | | | III / V-0 | | | | III / V-0 | | | |
| Approvals | | | | | | | | | | |
| **Clamped conductors (H05V/H07V)** | | | **Rated connection** | | | | **Rated connection** | | | |
| Solid / Stranded | 35 mm² | mm² | 4...35 / 4...35 | | | | 4...35 / 4...35 | | | |
| | 25 mm² | mm² | 2.5...25 / 2.5...25 | | | | 2.5...25 / 2.5...25 | | | |
| | 16 mm² | mm² | 1.5...16 / 1.5...16 | | | | 1.5...16 / 1.5...16 | | | |
| Flexible with ferrule | 35 mm² | mm² | 2.5...25 | | | | 2.5...25 | | | |
| | 25 mm² | mm² | 1.5...16 | | | | 1.5...16 | | | |
| | 16 mm² | mm² | 1.5...10 | | | | 1.5...10 | | | |
| Stripping length / Blade size | 35 mm² | mm/- | 19 / M8 | | | | 19 / M8 | | | |
| | 25 mm² | mm/- | 14 / M6 | | | | 14 / M6 | | | |
| | 16 mm² | mm/- | 12 / M6 | | | | 12 / M6 | | | |
| Tightening torque | | Nm | see appendix at the end of the chapter | | | | see appendix at the end of the chapter | | | |
| **Note** | | | | | | | | | | |

## Ordering data

| Version | | Type | Qty. | Order No. | Type | Qty. | Order No. |
|---|---|---|---|---|---|---|---|
| | grey | WPD 105 1x35+1x16/2x25+3x16 GY | 1 | **1562170000** | WPD 205 2x35/4x25+6x16 2xGY | 1 | **1562180000** |
| | blue | WPD 105 1x35+1x16/2x25+3x16 BL | 1 | **2518540000** | WPD 205 2x35/4x25+6x16 2xBL | 1 | **2519470000** |
| | red | WPD 105 1x35+1x16/2x25+3x16 RD | 1 | **2725310000** | WPD 205 2x35/4x25+6x16 2xRD | 1 | **2725320000** |
| | black | WPD 105 1x35+1x16/2x25+3x16 BK | 1 | **2725410000** | WPD 205 2x35/4x25+6x16 2xBK | 1 | **2725420000** |
| **Note** | | | | | | | |

## Accessories

| Cross connection | | Type | Qty. | Order No. | Type | Qty. | Order No. |
|---|---|---|---|---|---|---|---|
| | 2-pole | WQB WPD X05/2 | 20 | **1561960000** | | | |
| | 3-pole | WQB WPD X05/3 | 20 | **1561970000** | | | |
| **End bracket** | | | | | | | |
| | dark beige | WEW 35/2 | 100 | **1061200000** | WEW 35/2 | 100 | **1061200000** |
| | dark beige | AEB 35 SC/1 | 50 | **1991920000** | AEB 35 SC/1 | 50 | **1991920000** |
| **Screwdriver** | | | | | | | |
| | | SDK PZ2 X 100 | 1 | **2749450000** | SDK PZ2 X 100 | 1 | **2749450000** |
| | SET | SK WSD-S 1,5-10,0 | 1 | **9008850000** | SK WSD-S 1,5-10,0 | 1 | **9008850000** |

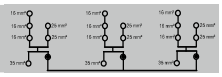
## WPD 305 — 35 mm²









| | |
|---|---|
| 106.8 / 53.7 / 70 |  |
| 125 / 35 | |
| 2.5...35 | |

### IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

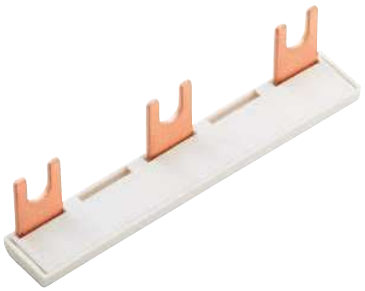
| IEC | UL | CSA | EN 60079-7 |
|---|---|---|---|
| 1000 | 600 | 600 | 690 |
| 125 | 115 | 85 | 125 |
| 35 | AWG 12...2 | AWG 12...2 | 35 |
| | 8 kV / 3 | | |
| | III / V-0 | | |

| Rated connection |
|---|
| 4...35 / 4...35 |
| 2.5...25 / 2.5...25 |
| 1.5...16 / 1.5...16 |
| 2.5...25 |
| 1.5...16 |
| 1.5...10 |
| 19 / M8 |
| 14 / M6 |
| 12 / M6 |
| see appendix at the end of the chapter |

| Type | Qty. | Order No. |
|---|---|---|
| WPD 305 3x35/6x25+9x16 3xGY | 1 | **1562190000** |
| WPD 305 3x35/6x25+9x16 3xBL | 1 | **2521770000** |
| WPD 305 3x35/6x25+9x16 3xRD | 1 | **2725330000** |
| WPD 305 3x35/6x25+9x16 3xBK | 1 | **2725430000** |

| Type | Qty. | Order No. |
|---|---|---|
| | | |
| | | |
| WEW 35/2 | 100 | **1061200000** |
| AEB 35 SC/1 | 50 | **1991920000** |
| SDK PZ2 X 100 | 1 | **2749450000** |
| SK WSD-S 1,5-10,0 | 1 | **9008850000** |

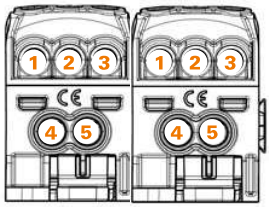




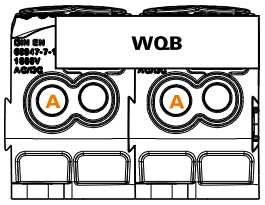
## Power distribution
## Screw connection

### Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

| Input | connection point A | | | |
|---|---|---|---|---|
| | Copper | | Aluminium* | |
| |  |  |  |  |
| 35 mm² | 3,5 Nm | | 11,3 Nm | |
| 25 mm² | | 3,5 Nm | | 11,3 Nm |
| 16 mm² | | | | |
| 10 mm² | | | | |
| 6 mm² | | | | |
| 4 mm² | | | | |
| 2.5 mm² | | | | |
| Stripping lengths | 19 mm | | | |
| Allen screw | M8 | | | |
| * Values according to UL 1059 | | | | |



output



input

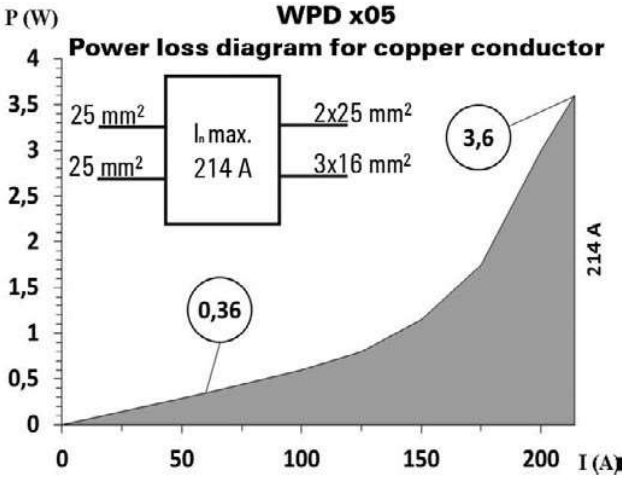
| Output | connection point 1/2/3 | | | | connection point 4/5 | | | | connection point B | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Copper | | Aluminium* | | Copper | | Aluminium* | | Copper | | Aluminium* | |
| |  |  |  |  |  |  |  |  |  |  |  |  |
| 25 mm² | | | | | 2,5 Nm | | | | | | | |
| 16 mm² | 2 Nm | | | | | 2,5 Nm | 5,1 Nm | | 2,5 Nm | | | |
| 10 mm² | | 2 Nm | 5,1 Nm | | | | | 5,1 Nm | | 2,5 Nm | 5,1 Nm | |
| 6 mm² | | | | | | | | | | | | |
| 4 mm² | | | | | | | | | | | | |
| 2.5 mm² | | | | | | | | | | | | |
| 1.5 mm² | | | | | | | | | | | | |
| Stripping lengths | 12 mm | | | | 14 mm | | | | 19 mm | | | |
| Allen screw | M6 | | | | M6 | | | | M6 | | | |
| * Values according to UL 1059 | | | | | | | | | | | | |


Stranded

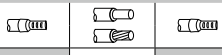

Solid


Flexible with ferrule


Sector shaped



## UL Rating data according to UL 1059

| Certificate no. (UR) | XCFR2.E60693 | | | |
|---|---|---|---|---|
| | connection point A | | | |
| Input (line) | Copper | | Aluminium | |
| |  |  |  |  |
| AWG 2 | 31 Lb In. | | 100 Lb In. | |
| AWG 4 | | 31 Lb In. | | 100 Lb In. |
| AWG 6 | | | | |
| AWG 8 | | | | |
| AWG 10 | | | | |
| AWG 12 | | | | |
| max. current | 115 A | 85 A | 90 A | 65 A |
| Voltage size B,C (UR) | 600 V | | | |

| output (load) | connection point 1/2/3 | | | | connection point 4/5 | | | | connection point B | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Copper | | Aluminium | | Copper | | Aluminium | | Copper | | Aluminium | |
| |  |  |  |  |  |  |  |  |  |  |  |  |
| AWG 4 | | | | | | | 45.1 Lb In. | | | | | |
| AWG 6 | 22.1 Lb In. | | 45.1 Lb In. | | 22.1 Lb In. | | | 45.1 Lb In. | 22.1 Lb In. | | 45.1 Lb In. | |
| AWG 8 | | 22.1 Lb In. | | | | 22.1 Lb In. | | | | 22.1 Lb In. | | |
| AWG 10 | | | | | | | | | | | | |
| AWG 12 | | | | | | | | | | | | |
| AWG 14 | | | | | | | | | | | | |
| AWG 16 | | | | | | | | | | | | |
| max. current | 65 A | 50 A | 50 A | | 85 A | 65 A | 65 A | 50 A | 65 A | 50 A | 50 A | |
| Voltage size B,C (UR) | 600 V | | | | | | | | | | | |

 Stranded

 Solid

 Flexible with ferrule

 Sector shaped

## CSA-Bemessungsdaten nach CSA 22.2 Nr. 158

| Certificate No. (CSA) | 269832 | | | |
|---|---|---|---|---|
| | Input | | Output | |
| | CP* A | CP* 1/2/3 | CP* 4/5 | CP*B |
| AWG 4 | 31 Lb In. | | | |
| AWG 4 | | | 22.1 Lb In. | |
| AWG 6 | | 22.1 Lb In. | | 22.1 Lb In. |
| AWG 8 | | | | |
| AWG 10 | | | | |
| AWG 12 | | | | |
| AWG 14 | | | | |
| AWG 16 | | | | |
| max. current | 115 A | 85 A | 85 A | 85 A |
| Voltage size C (CSA) | 600 V | | | |
| * CP - connection point | | | | |