

WPD 305 3X35/6X25+9X16 3XRD**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**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). |

Creation date September 14, 2021 3:39:30 AM CEST

Catalogue status 10.09.2021 / We reserve the right to make technical changes.

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

Weidmüller Interface GmbH & Co. KG
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 Germany

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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 | | |

Data sheet**WPD 305 3X35/6X25+9X16 3XRD****Weidmüller Interface GmbH & Co. KG**
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Technical data**Approvals**

Approvals



ROHS

Conform

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Catalogues

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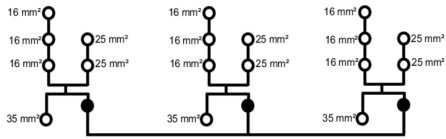
Data sheet

WPD 305 3X35/6X25+9X16 3XR

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

www.weidmueller.com

Drawings



Power distribution

Screw connection

W-Series

WPD 105 1x35+1x16/2x25+3x16



| | |
|-------------------------------|-------------------|
| Width / Height / Depth | mm |
| max. current / max. conductor | A/mm ² |
| max. clamping range | mm ² |

Technical data

| | | |
|--|--------------------|-----------------|
| Rated data | | |
| Rated voltage | V | |
| Rated current | A | |
| for wire cross-section | 35 mm ² | mm ² |
| Rated impulse withstand voltage / Pollution severity | | |
| Overvoltage category / UL 94 flammability rating | | |
| Approvals | | |
| Clamped conductors (H05V/H07V) | | |
| Solid / Stranded | 35 mm ² | mm ² |
| | 25 mm ² | mm ² |
| Flexible with ferrule | 16 mm ² | mm ² |
| | 35 mm ² | mm ² |
| | 25 mm ² | mm ² |
| Stripping length / Blade size | 16 mm ² | mm ² |
| | 35 mm ² | mm/- |
| | 25 mm ² | mm/- |
| | 16 mm ² | mm/- |
| Tightening torque | Nm | |
| Note | | |

Ordering data

| | |
|----------------|-------|
| Version | |
| | grey |
| | blue |
| | red |
| | black |
| Note | |

Accessories

| | |
|-------------------------|------------|
| Cross connection | |
| | 2-pole |
| | 3-pole |
| End bracket | |
| | dark beige |
| | dark beige |
| Screwdriver | |
| | SET |

WPD 105

35 mm²


| | | | |
|------------------|--------------------|--------------------|--------------------|
| 35.6 / 53.7 / 70 | 16 mm ² | 16 mm ² | 16 mm ² |
| 125 / 35 | 25 mm ² | 16 mm ² | 35 mm ² |
| 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 105 1x35+1x16/2x25+3x16 GY | 1 | 1562170000 |
| WPD 105 1x35+1x16/2x25+3x16 BL | 1 | 2518540000 |
| WPD 105 1x35+1x16/2x25+3x16 RD | 1 | 2725310000 |
| WPD 105 1x35+1x16/2x25+3x16 BK | 1 | 2725410000 |

| Type | Qty. | Order No. |
|-------------------|------|------------|
| WQB WPD X05/2 | 20 | 1561960000 |
| WQB WPD X05/3 | 20 | 1561970000 |
| 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 |

WPD 205

35 mm²


| | | | |
|------------------|--------------------|--------------------|--------------------|
| 71.2 / 53.7 / 70 | 16 mm ² | 16 mm ² | 16 mm ² |
| 125 / 35 | 25 mm ² | 16 mm ² | 35 mm ² |
| 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 205 2x35/4x25+6x16 2xGY | 1 | 1562180000 |
| WPD 205 2x35/4x25+6x16 2xBL | 1 | 2519470000 |
| WPD 205 2x35/4x25+6x16 2xRD | 1 | 2725320000 |
| WPD 205 2x35/4x25+6x16 2xBK | 1 | 2725420000 |

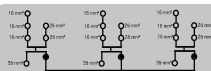
| Type | Qty. | Order No. |
|-------------------|------|------------|
| WEW 35/2 | 100 | 1061200000 |
| AEB 35 SC/1 | 50 | 1991920000 |
| SDK PZ2 X 100 | 1 | 2749450000 |
| SK WSD-S 1,5-10,0 | 1 | 9008850000 |

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

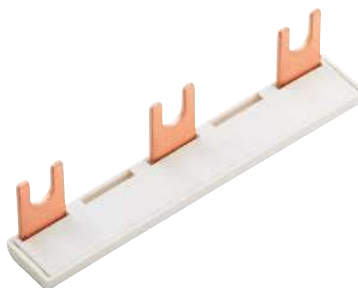


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| Type | Qty. | Order No. |
|-----------------------------|------|------------|
| WPD 305 3x35/6x25+9x16 3xGY | 1 | 1562190000 |
| WPD 305 3x35/6x25+9x16 3xBL | 1 | 2521770000 |
| WPD 305 3x35/6x25+9x16 3xRD | 1 | 2725330000 |
| WPD 305 3x35/6x25+9x16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







| Type | Qty. | Order No. |
|-------------------|------|------------|
| WEW 35/2 | 100 | 1061200000 |
| AEB 35 SC/1 | 50 | 1991920000 |
| SDK P22 X 100 | 1 | 2749450000 |
| SK WSD-S 1,5-10,0 | 1 | 9008850000 |

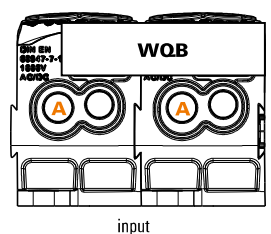
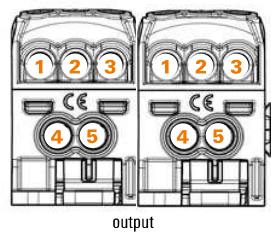














Power distribution
Screw connection

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

| Input | connection point A | | | |
|---------------------|---|---|---|---|
| | Copper | | Aluminium* | |
| |  |  |  |  |
| 35 mm ² | 3,5 Nm | 3,5 Nm | 11,3 Nm | 11,3 Nm |
| 25 mm ² | | | | |
| 16 mm ² | | | | |
| 10 mm ² | | | | |
| 6 mm ² | | | | |
| 4 mm ² | | | | |
| 2,5 mm ² | | | | |
| Stripping lengths | 19 mm | | | |
| Allen screw | M8 | | | |

* Values according to UL 1059



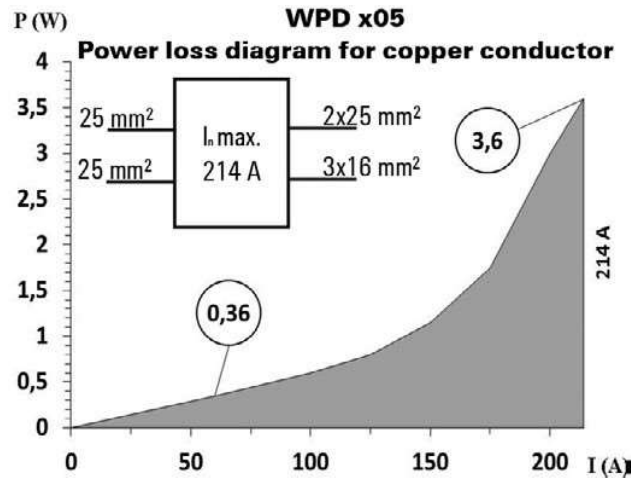
| Output | connection point 1/2/3 | | | | connection point 4/5 | | | | connection point B | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| | Copper | | Aluminium* | | Copper | | Aluminium* | | Copper | | Aluminium* | |
| |  |  |  |  |  |  |  |  |  |  |  |  |
| 25 mm ² | 2 Nm | 2 Nm | 5,1 Nm | | 2,5 Nm | 2,5 Nm | 5,1 Nm | 5,1 Nm | 2,5 Nm | 2,5 Nm | 5,1 Nm | |
| 16 mm ² | | | | | | | | | | | | |
| 10 mm ² | | | | | | | | | | | | |
| 6 mm ² | | | | | | | | | | | | |
| 4 mm ² | | | | | | | | | | | | |
| 2,5 mm ² | | | | | | | | | | | | |
| 1,5 mm ² | | | | | | | | | | | | |
| Stripping lengths | 12 mm | | | | 14 mm | | | | 19 mm | | | |
| Allen screw | M6 | | | | M6 | | | | M6 | | | |

* Values according to UL 1059




B















-  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. | 31 Lb In. | 100 Lb In. | 100 Lb In. | |
| AWG 4 | | | | | |
| 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 | 22.1 Lb In. | 22.1 Lb In. | 45.1 Lb In. | 22.1 Lb In. | 22.1 Lb In. | 22.1 Lb In. | 45.1 Lb In. | 45.1 Lb In. | 22.1 Lb In. | 22.1 Lb In. | 45.1 Lb In. | 22.1 Lb In. | |
| AWG 6 | | | | | | | | | | | | | |
| AWG 8 | | | | | | | | | | | | | |
| 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. | 22.1 Lb In. | 22.1 Lb In. | 22.1 Lb In. | |
| AWG 4 | | | | | |
| AWG 6 | | | | | |
| 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

B

