

**WPD 305 3X35/6X25+9X16 3XBK**

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

www.weidmueller.com



Our WPD 1XX distribution blocks are used in all situations where power is supplied and distributed. Their user-friendly design creates a better overview and enables Rapid, efficient implementation of space-saving power distribution.

**General ordering data**

|            |   |
|------------|---|
| Version    | Potential distributor terminal, Screw connection, black, 35 mm <sup>2</sup> , 214 A, 1000 V, Number of connections: 18, Number of levels: 1 |
| Order No.  | <a href="#">2725430000</a>  |
| Type       | WPD 305 3X35/6X25+9X16 3XBK   |
| GTIN (EAN) | 4050118796155   |
| Qty.       | 1 items   |

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |          |                 |             |
|------------|----------|-----------------|-------------|
| Depth      | 53.7 mm  | Depth (inches)  | 2.1142 inch |
| Height     | 70 mm    | Height (inches) | 2.7559 inch |
| Width      | 106.8 mm | Width (inches)  | 4.2047 inch |
| Net weight | 433 g    |                 |             |

## Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -50 °C...85 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 130 °C         |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | e1c310ef-6b67-4efa-80a6-d307472f4de9 |

## Material data

|                           |       |        |       |
|---------------------------|-------|--------|-------|
| Basic material            | Wemid | Colour | black |
| 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              | Mounting rail                 | Mounting plate, TS 35 |
| N-function                          | No               | PE function                   | No                    |
| PEN function                        | No               |                               |                       |

## Additional technical data

|                  |         |                          |     |
|------------------|---------|--------------------------|-----|
| Open sides       | closed  | Explosion-tested version | Yes |
| Type of mounting | Snap-on |                          |     |

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## Conductors for clamping (rated connection)

|   |                  |                      |                  |
|---|------------------|----------------------|------------------|
| Wire connection cross section AWG, max. | AWG 2            | Connection direction | on side          |
| Type of connection 2                    | Screw connection | Type of connection   | Screw connection |

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### Technical data

|   |                     |   |                    |
|---|---------------------|---|--------------------|
| Number of connections   | 18                  | Clamping range, max.  | 35 mm <sup>2</sup> |
| Clamping range, min.  | 1.5 mm <sup>2</sup> | Wire connection cross section AWG, min.   | AWG 16             |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 25 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                    | 0 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded, min.                                    | 1.5 mm <sup>2</sup> | Connection cross-section, stranded, max.  | 35 mm <sup>2</sup> |
| Connection cross-section, stranded, min.  | 1.5 mm <sup>2</sup> | Wire connection cross-section, solid core, max.   | 35 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.   | 1.5 mm <sup>2</sup> |   |                    |

### General

|   |                       |   |                        |
|---|-----------------------|---|------------------------|
| Number of poles                         | 3                     | Wire connection cross section AWG, max. | AWG 2                  |
| Wire connection cross section AWG, min. | AWG 16                | Standards                               | IEC 60947-7-1, UL 1059 |
| Mounting rail                           | Mounting plate, TS 35 |   |                        |

### Rating data

|                     |                        |   |        |
|---------------------|------------------------|---|--------|
| Rated cross-section | 35 mm <sup>2</sup>     | Rated voltage                               | 1000 V |
| Rated AC voltage    | 1000 V                 | Rated DC voltage                            | 1000 V |
| Nominal current     | 214 A                  | Current at maximum wires                    | 214 A  |
| Standards           | IEC 60947-7-1, UL 1059 | Power loss in accordance with IEC 60947-7-x | 3.60 W |

### Important note

Product information      The socket complies with flammability class V-2 according to UL94.

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 14.0 | 27-25-01-19 |
| ECLASS 15.0 | 27-25-01-19 |             |             |

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# Drawings



Conductor connection data according to IEC 60947-7-1 (Cu)

| Input               | connection point A |           |
|---------------------|--------------------|-----------|
|                     | Copper             | Aluminum* |
| 35 mm <sup>2</sup>  | 3.5 Nm             | 11.3 Nm   |
| 25 mm <sup>2</sup>  | 3.5 Nm             | 11.3 Nm   |
| 16 mm <sup>2</sup>  |                    |           |
| 10 mm <sup>2</sup>  |                    |           |
| 6 mm <sup>2</sup>   |                    |           |
| 4 mm <sup>2</sup>   |                    |           |
| 2.5 mm <sup>2</sup> |                    |           |
| Stripping lengths   | 19 mm              |           |
| Allen screw         | M5                 |           |

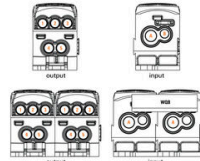


| Output              | connection point 1/2/3 |           | connection point 4/5 |           | connection point B |           |
|---------------------|------------------------|-----------|----------------------|-----------|--------------------|-----------|
|                     | Copper                 | Aluminum* | Copper               | Aluminum* | Copper             | Aluminum* |
| 25 mm <sup>2</sup>  |                        |           | 2.5 Nm               | 5.1 Nm    | 2.5 Nm             | 5.1 Nm    |
| 16 mm <sup>2</sup>  |                        |           | 2.5 Nm               | 5.1 Nm    | 2.5 Nm             | 5.1 Nm    |
| 10 mm <sup>2</sup>  |                        |           |                      |           |                    |           |
| 6 mm <sup>2</sup>   |                        |           |                      |           |                    |           |
| 4 mm <sup>2</sup>   |                        |           |                      |           |                    |           |
| 2.5 mm <sup>2</sup> |                        |           |                      |           |                    |           |
| 1.5 mm <sup>2</sup> |                        |           |                      |           |                    |           |
| Stripping lengths   | 12 mm                  |           | 14 mm                |           | 19 mm              |           |
| Allen screw         | M5                     |           | M5                   |           | M5                 |           |

\* Values according to UL 1059  
 Stranded Solid Flexible with ferrule Sector shaped

Conductor connection data according to UL 1059 (Al-Cu)

| Input (line)          | connection point A |             |
|-----------------------|--------------------|-------------|
|                       | Copper             | Aluminum    |
| AWG 2                 |                    | 100 lb. in. |
| AWG 4                 |                    | 100 lb. in. |
| AWG 6                 | 31 lb. in.         |             |
| AWG 8                 | 31 lb. in.         |             |
| AWG 10                |                    |             |
| AWG 12                |                    |             |
| max. current          | 115 A              | 85 A        |
| Voltage size B.C (UR) | 600 V              |             |

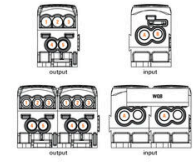


| Output (load)         | connection point 1/2/3 |              | connection point 4/5 |              | connection point B |              |
|-----------------------|------------------------|--------------|----------------------|--------------|--------------------|--------------|
|                       | Copper                 | Aluminum     | Copper               | Aluminum     | Copper             | Aluminum     |
| AWG 4                 |                        | 45.1 lb. in. |                      | 45.1 lb. in. |                    | 45.1 lb. in. |
| AWG 6                 |                        | 45.1 lb. in. |                      | 45.1 lb. in. |                    | 45.1 lb. in. |
| AWG 8                 |                        |              |                      |              |                    |              |
| AWG 10                |                        |              |                      |              |                    |              |
| AWG 12                | 22.1 lb. in.           | 22.1 lb. in. | 22.1 lb. in.         | 22.1 lb. in. | 22.1 lb. in.       | 22.1 lb. in. |
| AWG 14                |                        |              |                      |              |                    |              |
| AWG 16                |                        |              |                      |              |                    |              |
| max. current          | 85 A                   | 50 A         | 85 A                 | 50 A         | 85 A               | 50 A         |
| Voltage size B.C (UR) | 600 V                  |              |                      |              |                    |              |

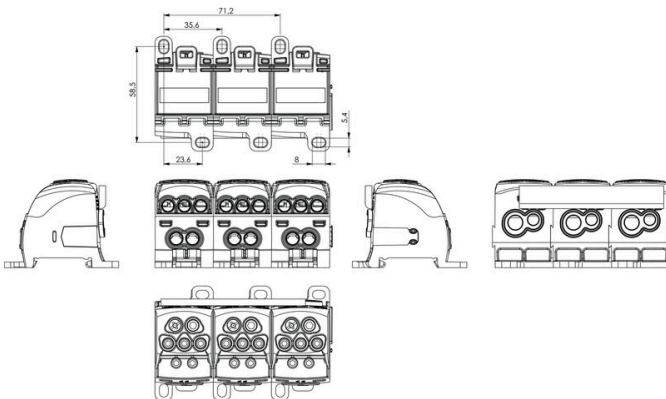
Stranded Solid Flexible with ferrule Sector shaped

CSA Rating data according to CSA 22.2 No. 158

| Certificate No. (CSA) | 209932     |              |        |              |
|-----------------------|------------|--------------|--------|--------------|
|                       | Input CP-A | CP-1/2/3     | CP-4/5 | CP-B         |
| AWG 4                 |            |              |        |              |
| AWG 6                 | 31 lb. in. |              |        |              |
| AWG 8                 |            | 22.1 lb. in. |        | 22.1 lb. in. |
| AWG 10                |            |              |        |              |
| AWG 12                |            |              |        |              |
| AWG 14                |            |              |        |              |
| max. current          | 115 A      | 85 A         | 85 A   | 85 A         |
| Voltage size C (CSA)  | 600 V      |              |        |              |



Stranded Solid Flexible with ferrule Sector shaped



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## Accessories

### Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

### General ordering data

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | WQB WPD X05/2              | Version   |  |
| Order No.  | <a href="#">1561960000</a> | Cross-connector (terminal), Plugged, grey, 135 A, Number of poles: 2, |  |
| GTIN (EAN) | 4050118367140              | Pitch in mm (P): 35.60, Insulated: Yes, Width: 52.8 mm                |  |
| Qty.       | 20 ST                      |   |  |
| Type       | WQB WPD X05/3              | Version   |  |
| Order No.  | <a href="#">1561970000</a> | Cross-connector (terminal), Plugged, grey, 135 A, Number of poles: 3, |  |
| GTIN (EAN) | 4050118367133              | Pitch in mm (P): 35.60, Insulated: Yes, Width: 88.4 mm                |  |
| Qty.       | 20 ST                      |   |  |

### Socket wrench sets

Allen key made from fully hardened, high-alloy chromium-vanadium- steel, acc. to DIN ISO 2936 L (DIN 911), high-quality refined surface.



### General ordering data

|            |                            |                 |  |
|------------|----------------------------|-----------------|--|
| Type       | SKS 2,0-8,0 MR             | Version         |  |
| Order No.  | <a href="#">9008870000</a> | socket wrenches |  |
| GTIN (EAN) | 4032248266623              |                 |  |
| Qty.       | 1 ST                       |                 |  |

### Crosshead screwdriver Pozidriv



Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, output to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

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## Accessories

### General ordering data

|            |                            |                          |  |
|------------|----------------------------|--------------------------|--|
| Type       | SDK PZ2                    | Version                  |  |
| Order No.  | <a href="#">9008540000</a> | Screwdriver, Screwdriver |  |
| GTIN (EAN) | 4032248056538              |                          |  |
| Qty.       | 1 ST                       |                          |  |