

**WPD 401 2X25/2X16 3XGY/1XBL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

**General ordering data**

|            |                                                                                                                                            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Potential distributor terminal, Screw connection, blue, 25 mm <sup>2</sup> , 152 A, 1000 V, Number of connections: 15, Number of levels: 1 |
| Order No.  | <a href="#">1562130000</a>                                                                                                                 |
| Type       | WPD 401 2X25/2X16 3XGY/1XBL                                                                                                                |
| GTIN (EAN) | 4050118385212                                                                                                                              |
| Qty.       | 1 items                                                                                                                                    |

## WPD 401 2X25/2X16 3XGY/1XBL

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

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 49.3 mm | Depth (inches)  | 1.9409 inch |
| Height     | 55.7 mm | Height (inches) | 2.1929 inch |
| Width      | 81.5 mm | Width (inches)  | 3.2087 inch |
| Net weight | 271 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                                 | 9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2 |

## Material data

|                           |       |        |      |
|---------------------------|-------|--------|------|
| Basic material            | Wemid | Colour | blue |
| UL 94 flammability rating | V-0   |        |      |

## System specifications

|                                     |                  |                               |     |
|-------------------------------------|------------------|-------------------------------|-----|
| Version                             | Screw connection | End cover plate required      | No  |
| Number of potentials                | 4                | Number of levels              | 1   |
| Number of clamping points per level | 8                | Number of potentials per tier | 4   |
| Levels cross-connected internally   | No               | PE connection                 | No  |
| Mounting rail                       | TS 35            | N-function                    | Yes |
| PE function                         | No               | PEN function                  | No  |

## Additional technical data

|                          |     |                     |                                |
|--------------------------|-----|---------------------|--------------------------------|
| With snap-in pegs        | Yes | Open sides          | closed                         |
| Snap-on                  | Yes | Installation advice | Terminal rail / mounting plate |
| 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 4            | Connection direction | on side          |
| Type of connection 2                    | Screw connection | Type of connection   | Screw connection |

## WPD 401 2X25/2X16 3XGY/1XBL

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

|                                                                                         |                     |                                                                                         |                    |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|--------------------|
| Number of connections                                                                   | 15                  | Clamping range, max.                                                                    | 25 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. | 16 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.                                                | 25 mm <sup>2</sup> |
| Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> | Wire connection cross-section, solid core, max.                                         | 25 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.                                         | 1.5 mm <sup>2</sup> |                                                                                         |                    |

## General

|                     |                                        |                                         |        |
|---------------------|----------------------------------------|-----------------------------------------|--------|
| Number of poles     | 4                                      | Wire connection cross section AWG, max. | AWG 4  |
| Installation advice | Terminal rail / mounting plate         | Wire connection cross section AWG, min. | AWG 16 |
| Standards           | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 | Mounting rail                           | TS 35  |

## Rating data

|                     |                                        |                                             |        |
|---------------------|----------------------------------------|---------------------------------------------|--------|
| Rated cross-section | 25 mm <sup>2</sup>                     | Rated voltage                               | 1000 V |
| Rated AC voltage    | 1000 V                                 | Rated DC voltage                            | 1000 V |
| Nominal current     | 152 A                                  | Current at maximum wires                    | 152 A  |
| Standards           | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 | Power loss in accordance with IEC 60947-7-x | 2.30 W |

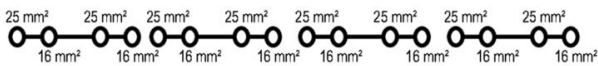
## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 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 |             |             |

**WPD 401 2X25/2X16 3XGY/1XBL**

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

www.weidmueller.com

**Drawings**


Conductor connection data according to VDE 0603-2 (Cu), IEC 60947-7-1 (Cu), IEC 61238-1 Class A (Cu+Al)

| Input (x2) / Output (x2)   | Copper       | Aluminum | Input (x2) / Output (x2)   | Copper       | Aluminum |
|----------------------------|--------------|----------|----------------------------|--------------|----------|
| 2x25 mm² (round conductor) | 3.5 Nm       | 4 Nm     | 2x16 mm² (round conductor) | 2.5 Nm       | 2.5 Nm   |
| 25 mm²                     |              |          | 16 mm²                     |              |          |
| 16 mm²                     |              |          | 10 mm²                     |              |          |
| 10 mm²                     |              |          | 6 mm²                      |              |          |
| 6 mm²                      |              |          | 4 mm²                      |              |          |
| 4 mm²                      |              |          | 2.5 mm²                    |              |          |
| 2.5 mm²                    |              |          | 1.5 mm²                    |              |          |
| 1.5 mm²                    |              |          | Stripping lengths          | 19 mm        |          |
| Stripping lengths          | 19 mm        |          | Stripping lengths          | 19 mm        |          |
| Screw                      | M6 (+/- PZ2) |          | Screw                      | M6 (+/- PZ2) |          |

Stranded
 Solid
 Flexible with ferrule

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

| Input (line)          | Copper     | Aluminum | Copper     | Aluminum |
|-----------------------|------------|----------|------------|----------|
| AWG 4                 | 22.1 Lb In | 35 Lb In | 22.1 Lb In | 35 Lb In |
| AWG 6                 |            |          |            |          |
| AWG 8                 |            |          |            |          |
| AWG 10                |            |          |            |          |
| AWG 12                |            |          |            |          |
| AWG 14                |            |          |            |          |
| AWG 16                |            |          |            |          |
| max. current          | 90 A       | 90 A     | 65 A       | 50 A     |
| Voltage size B,C (UR) |            |          |            |          |

Stranded
 Solid
 Flexible with ferrule

CSA Rating data according to CSA 22.2 No. 158 ng data

| Input (line)          | Copper | Aluminum | Copper | Aluminum |
|-----------------------|--------|----------|--------|----------|
| AWG 4                 | 2.5 Nm | 4 Nm     | 2.1 Nm | 4 Nm     |
| AWG 6                 |        |          |        |          |
| AWG 8                 |        |          |        |          |
| AWG 10                |        |          |        |          |
| AWG 12                |        |          |        |          |
| AWG 14                |        |          |        |          |
| AWG 16                |        |          |        |          |
| max. current          | 90 A   | 90 A     | 65 A   | 50 A     |
| Voltage size B,C (UR) |        |          |        |          |

Stranded
 Solid
 Flexible with ferrule

