

**WPD 130 1X50/1X50 GN****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****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: 50 mm <sup>2</sup> , Terminal rail / mounting plate |
| Order No.  | <a href="#">2502550000</a>                                                                             |
| Type       | WPD 130 1X50/1X50 GN                                                                                   |
| GTIN (EAN) | 4050118516272                                                                                          |
| Qty.       | 9 pc(s).                                                                                               |

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## Technical data

## Dimensions and weights

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Depth          | 45 mm      | Depth (inches)  | 1.772 inch |
| Height         | 70 mm      | Height (inches) | 2.756 inch |
| Net weight     | 39 g       | Width           | 22 mm      |
| Width (inches) | 0.866 inch |                 |            |

## Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120            |                                  |        |

## Material data

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

## Rating data IECEx/ATEX

|                                |                    |                         |                  |
|--------------------------------|--------------------|-------------------------|------------------|
| Certificate No. (ATEX)         | CNEX18ATEX0016U    | Certificate No. (IECEX) | IECEXNEX18.0010U |
| Max. voltage (ATEX)            | 880 V              | Current (ATEX)          | 150 A            |
| Wire cross section max. (ATEX) | 50 mm <sup>2</sup> | Max. voltage (IECEX)    | 880 V            |
| Current (IECEX)                | 150 A              |                         |                  |

## System specifications

|                                     |                  |                                   |    |
|-------------------------------------|------------------|-----------------------------------|----|
| Version                             | Screw connection | End cover plate required          | No |
| Number of potentials                | 1                | Number of levels                  | 1  |
| Number of clamping points per level | 2                | Levels cross-connected internally | No |

## Additional technical data

|                     |                                |                  |         |
|---------------------|--------------------------------|------------------|---------|
| Installation advice | Terminal rail / mounting plate | Type of mounting | Snap-on |
|---------------------|--------------------------------|------------------|---------|

## General

|                     |                                |                 |   |
|---------------------|--------------------------------|-----------------|---|
| Installation advice | Terminal rail / mounting plate | Number of poles | 1 |
| Standards           | IEC 60947-7-1, UL 1059, CSA    |                 |   |

## Rating data

|                                             |                             |                                              |                    |
|---------------------------------------------|-----------------------------|----------------------------------------------|--------------------|
| Power loss in accordance with IEC 60947-7-x | 4.8 W                       | Rated cross-section                          | 50 mm <sup>2</sup> |
| Rated voltage                               | 1,000                       | Rated AC voltage                             | 1,000 V AC         |
| Rated DC voltage                            | 1,000 V DC                  | Rated current                                | 120 A              |
| Standards                                   | IEC 60947-7-1, UL 1059, CSA | Volume resistance according to IEC 60947-7-x | 0.21 mΩ            |
| Rated impulse withstand voltage             | 8 kV                        | Pollution severity                           | 3                  |
| Surge voltage category                      | III                         |                                              |                    |

## UL rating data

|                         |        |
|-------------------------|--------|
| Certificate No. (cURus) | E60693 |
|-------------------------|--------|

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## 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 |

## Important note

Product information      You will find additional information in the downloadsection of the onlinecatalogue

## Approvals

Approvals



ROHS      Conform

UL File Number Search      E60693

## Downloads

|                                             |                                                                                                                                                                                   |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CB Certificate</a><br><a href="#">FIMKO certificate</a><br><a href="#">EAC EX Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">CE declaration</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                              |
| Engineering Data                            | <a href="#">EPLAN</a>                                                                                                                                                             |
| User Documentation                          | <a href="#">DATA SHEET WPD 130</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI WPD 130</a>                                                              |

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# Drawings



# Technical data

| Inputs                |
|-----------------------|
| Number of connections |
| Solid                 |
| Stranded              |
| Flexible with ferrule |
| Ribbon cable          |
| Torque                |
| Clamping screw        |
| Stripping length      |
| Outputs               |
| Number of connections |
| Solid                 |
| Stranded              |
| Flexible with ferrule |
| Torque                |
| Clamping screw        |
| Stripping length      |
|                       |
| Poles                 |
| Note                  |

IEC 60947-7-1, UL 1059, CSA

| top                                     | mid./left | mid./mid.              | mid./right | bottom |
|-----------------------------------------|-----------|------------------------|------------|--------|
|                                         |           | 1                      |            |        |
|                                         |           | 6...10mm <sup>2</sup>  |            |        |
|                                         |           | 10...50mm <sup>2</sup> |            |        |
|                                         |           | 4...35mm <sup>2</sup>  |            |        |
|                                         |           |                        |            |        |
|                                         |           | 10Nm                   |            |        |
|                                         |           | M 10                   |            |        |
|                                         |           | 16mm                   |            |        |
| top                                     | mid./left | mid./mid.              | mid./right | bottom |
|                                         |           | 1                      |            |        |
|                                         |           | 6...10mm <sup>2</sup>  |            |        |
|                                         |           | 10...50mm <sup>2</sup> |            |        |
|                                         |           | 4...35mm <sup>2</sup>  |            |        |
|                                         |           | 10Nm                   |            |        |
|                                         |           | M 10                   |            |        |
|                                         |           | 16mm                   |            |        |
|                                         |           |                        |            |        |
| 1                                       |           |                        |            |        |
| Rated current with Cu conductors: 150 A |           |                        |            |        |