

**WPE 35N****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    | PE terminal, Screw connection, 35 mm², 4200 A (35 mm²), Green/yellow |
| Order No.  | <a href="#">1717740000</a>                                           |
| Type       | WPE 35N                                                              |
| GTIN (EAN) | 4008190351854                                                        |
| Qty.       | 20 pc(s).                                                            |

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## Technical data

## Dimensions and weights

|                          |          |                |          |
|--------------------------|----------|----------------|----------|
| Depth                    | 50.5 mm  | Depth (inches) | 1.988 °C |
| Depth including DIN rail | 51 mm    | Height         | 66 mm    |
| Height (inches)          | 2.598 °C | Width          | 16 mm    |
| Width (inches)           | 0.63 °C  | Net weight     | 76.84 g  |

## Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -60 °C |
| Continuous operating temp., max. | 130 °C         |                                  |        |

## Environmental Product Compliance

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

## Material data

|                           |       |        |              |
|---------------------------|-------|--------|--------------|
| Material                  | Wemid | Colour | Green/yellow |
| UL 94 flammability rating | V-0   |        |              |

## Rating data IECEx/ATEX

|                                |                    |                                 |                    |
|--------------------------------|--------------------|---------------------------------|--------------------|
| Certificate No. (ATEX)         | DEMKO14ATEX1338U   | Certificate No. (IECEx)         | IECExULD14.0005U   |
| Wire cross section max. (ATEX) | 35 mm <sup>2</sup> | Wire cross section max. (IECEx) | 35 mm <sup>2</sup> |
| Marking EN 60079-7             | Ex eb II C Gb      | Ex 2014/34/EU label             | II 2 G D           |

## System specifications

|                                     |                                                       |                               |     |
|-------------------------------------|-------------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection, With PE connection, in closed state | End cover plate required      | No  |
| Number of potentials                | 1                                                     | Number of levels              | 1   |
| Number of clamping points per level | 2                                                     | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No                                                    | PE connection                 | Yes |
| Rail                                | TS 35                                                 | N-function                    | No  |
| PE function                         | Yes                                                   | PEN function                  | Yes |

## Additional technical data

|                          |                  |                             |                 |
|--------------------------|------------------|-----------------------------|-----------------|
| Explosion-tested version | Yes              | Installation advice         | when screwed in |
| Interlock                | for screw fixing | Number of similar terminals | 1               |
| Open sides               | closed           | Type of mounting            | when screwed in |

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## Conductors for clamping (rated connection)

|                                                                                         |                  |                                                                                         |        |
|-----------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------|--------|
| Blade size                                                                              | 6.5 x 1.2 mm     | Clamping range, max.                                                                    | 50 Nm  |
| Clamping range, min.                                                                    | 2.5 Nm           | Clamping screw                                                                          | M 6    |
| Connection cross-section, stranded, max.                                                | 50 Nm            | Connection cross-section, stranded, min.                                                | 2.5 Nm |
| Connection direction                                                                    | on side          | Gauge to IEC 60947-1                                                                    | B8     |
| Number of connections                                                                   | 2                | Stripping length                                                                        | 18 mm  |
| Tightening torque, max.                                                                 | 5 inch           | Tightening torque, min.                                                                 | 4 inch |
| Type of connection                                                                      | Screw connection | Wire connection cross section AWG, max.                                                 | AWG 2  |
| Wire connection cross section AWG, min.                                                 | AWG 12           | Wire connection cross section, finely stranded, max.                                    | 35 Nm  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 35 Nm            | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 2.5 Nm |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 35 Nm            | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 2.5 Nm |
| Wire connection cross-section, solid core, max.                                         | 16 Nm            | Wire connection cross-section, solid core, min.                                         | 2.5 Nm |

## General

|                                         |                 |                                         |       |
|-----------------------------------------|-----------------|-----------------------------------------|-------|
| Installation advice                     | when screwed in | Rail                                    | TS 35 |
| Standards                               | IEC 60947-7-2   | Wire connection cross section AWG, max. | AWG 2 |
| Wire connection cross section AWG, min. | AWG 12          |                                         |       |

## PE rating data

|                                          |                              |                              |     |
|------------------------------------------|------------------------------|------------------------------|-----|
| Rated short-time current                 | 4200 A (35 mm <sup>2</sup> ) | Centre screw on PE terminals | M 4 |
| Tightening torque range for fixing screw | 1.2...2.4 Nm                 | PEN function                 | Yes |

## Rating data

|                                                      |               |                                              |         |
|------------------------------------------------------|---------------|----------------------------------------------|---------|
| Rated cross-section                                  | 35 Nm         | Rated voltage to adjoining terminal          | 400 V   |
| Standards                                            | IEC 60947-7-2 | Volume resistance according to IEC 60947-7-x | 0.26 °C |
| Rated impulse withstand voltage to adjacent terminal | 6 kV          | Power loss in accordance with IEC 60947-7-x  | 4 W     |
| Pollution severity                                   | 3             |                                              |         |

## UL rating data

|                                            |        |                                            |       |
|--------------------------------------------|--------|--------------------------------------------|-------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 2 AWG |
| Conductor size Factory wiring min. (cURus) | 12 AWG | Conductor size Field wiring max. (cURus)   | 2 AWG |
| Conductor size Field wiring min. (cURus)   | 12 AWG |                                            |       |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000901    | ETIM 7.0    | EC000901    |
| ETIM 8.0    | EC000901    | ECLASS 9.0  | 27-14-11-41 |
| ECLASS 9.1  | 27-14-11-41 | ECLASS 10.0 | 27-14-11-41 |
| ECLASS 11.0 | 27-14-11-41 |             |             |

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**Technical data****Approvals**

Approvals



ROHS Conform

UL File Number Search E60693

**Downloads**

|                                             |                                                         |
|---------------------------------------------|---------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a>               |
|                                             | <a href="#">IECEX Certificate</a>                       |
|                                             | <a href="#">EAC certificate</a>                         |
|                                             | <a href="#">EAC EX Certificate</a>                      |
|                                             | <a href="#">CCC Ex Certificate</a>                      |
|                                             | <a href="#">Declaration of Conformity</a>               |
|                                             | <a href="#">ATEX Certificate</a>                        |
| Engineering Data                            | <a href="#">Declaration of Conformity all terminals</a> |
|                                             | <a href="#">STEP</a>                                    |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                |
| User Documentation                          | <a href="#">NTI WDU/WPE 35N</a>                         |
|                                             | <a href="#">StorageConditionsTerminalBlocks</a>         |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                |
| Brochures                                   |                                                         |

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## Drawings

