

**WPE 70N/35****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****General ordering data**

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| Version    | PE terminal, Screw connection, 70 mm², 8400 A (70 mm²), Green/yellow |
| Order No.  | <a href="#">9512200000</a>                                           |
| Type       | WPE 70N/35                                                           |
| GTIN (EAN) | 4008190403881                                                        |
| Qty.       | 10 pc(s).                                                            |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 85 mm      | Depth (inches) | 3.346 inch |
| Depth including DIN rail | 86 mm      | Height         | 75 mm      |
| Height (inches)          | 2.953 inch | Net weight     | 185.633 g  |
| Width                    | 20.5 mm    | Width (inches) | 0.807 inch |

## Temperatures

|                                  |                |                                  |                                                                                                   |
|----------------------------------|----------------|----------------------------------|---------------------------------------------------------------------------------------------------|
| Storage temperature              |                | Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                                  | -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                                                                                  |
| IEC Ex certificate              | IECExULD05.0008U_e.pdf | Wire cross section max. (ATEX) | 70 mm²                                                                                            |
| Wire cross section max. (IECEx) |                        | Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                                 | 70 mm²                 |                                |                                                                                                   |
| 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 |

## CSA rating data

|                               |                |                               |       |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA)         | 200039-1581431 | Wire cross section max. (CSA) | 0 AWG |
| Wire cross section min. (CSA) | 6 AWG          |                               |       |

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## Conductors for clamping (rated connection)

|                                                                                         |                    |                                                                                         |                    |
|-----------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------|--------------------|
| Blade size                                                                              | S6 (DIN 6911)      | Clamping range, max.                                                                    | 95 mm <sup>2</sup> |
| Clamping range, min.                                                                    | 16 mm <sup>2</sup> | Clamping screw                                                                          | M 8                |
| Connection cross-section, stranded, max.                                                | 95 mm <sup>2</sup> | Connection cross-section, stranded, min.                                                | 16 mm <sup>2</sup> |
| Connection direction                                                                    | on side            | Gauge to IEC 60947-1                                                                    | B11                |
| Number of connections                                                                   | 2                  | Stripping length                                                                        | 22 mm              |
| Tightening torque, max.                                                                 | 12 Nm              | Tightening torque, min.                                                                 | 8 Nm               |
| Type of connection                                                                      | Screw connection   | Wire connection cross section AWG, max.                                                 | AWG 0              |
| Wire connection cross section AWG, min.                                                 | AWG 6              | Wire connection cross section, finely stranded, max.                                    | 70 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 70 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 16 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 50 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 16 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.                                         | 16 mm <sup>2</sup> | Wire connection cross-section, solid core, min.                                         | 16 mm <sup>2</sup> |

## General

|                                         |                 |                                         |       |
|-----------------------------------------|-----------------|-----------------------------------------|-------|
| Installation advice                     | when screwed in | Rail                                    | TS 35 |
| Standards                               | IEC 60947-7-2   | Wire connection cross section AWG, max. | AWG 0 |
| Wire connection cross section AWG, min. | AWG 6           |                                         |       |

## PE rating data

|                                          |                              |                              |     |
|------------------------------------------|------------------------------|------------------------------|-----|
| Rated short-time current                 | 8400 A (70 mm <sup>2</sup> ) | Centre screw on PE terminals | M 5 |
| Tightening torque range for fixing screw | 2.0...4.0 Nm                 | PEN function                 | Yes |

## Rating data

|                                              |         |                                                      |                    |
|----------------------------------------------|---------|------------------------------------------------------|--------------------|
| Power loss in accordance with IEC 60947-7-x  | 6.14 W  | Rated cross-section                                  | 70 mm <sup>2</sup> |
| Rated voltage to adjoining terminal          | 1,000 V | Standards                                            | IEC 60947-7-2      |
| Volume resistance according to IEC 60947-7-x | 0.17 mΩ | Rated impulse withstand voltage to adjacent terminal | 8 kV               |
| Pollution severity                           | 3       |                                                      |                    |

## UL rating data

|                                            |        |                                            |       |
|--------------------------------------------|--------|--------------------------------------------|-------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 0 AWG |
| Conductor size Factory wiring min. (cURus) | 6 AWG  | Conductor size Field wiring max. (cURus)   | 0 AWG |
| Conductor size Field wiring min. (cURus)   | 6 AWG  | UL_wire_max_Print                          | 0 AWG |
| UL_wire_min_Print                          | 6 AWG  |                                            |       |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000901    | ETIM 7.0    | 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><br><a href="#">IECEX Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">INMETRO certificate</a><br><a href="#">EAC EX Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">ATEX Certificate</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                                                                                                                                                               |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                                                                                                                                                                                           |
| User Documentation                          | <a href="#">NTI WDU/WPE 70N/35</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">Instruction</a>                                                                                                                                                                                                                                               |

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## Drawings

