

**WPE 35/IKSC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

A protective feed through terminal block is an electrical conductor for the purpose of safety and is used in many applications. To establish the electrical and mechanical connection between copper conductors and the mounting support plate, PE terminal blocks are used. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

**General ordering data**

|            |                                                                                                                        |
|------------|------------------------------------------------------------------------------------------------------------------------|
| Version    | PE terminal, Screw connection, 35 mm <sup>2</sup> , 800 V, Number of connections: 2, Number of levels: 1, Green/yellow |
| Order No.  | <a href="#">1012600000</a>                                                                                             |
| Type       | WPE 35/IKSC                                                                                                            |
| GTIN (EAN) | 4008190138677                                                                                                          |
| Qty.       | 25 pc(s).                                                                                                              |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 62.5 mm    | Depth (inches) | 2.461 inch |
| Depth including DIN rail | 63 mm      | Height         | 56 mm      |
| Height (inches)          | 2.205 inch | Width          | 16 mm      |
| Width (inches)           | 0.63 inch  | Net weight     | 80.12 g    |

## Temperatures

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

## 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 | No               | 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)         | 200039-1057876 | Wire cross section max. (CSA) | 2 AWG |
| Wire cross section min. (CSA) | 12 AWG         |                               |       |

## Conductors for clamping (additional connection)

|                                        |                  |
|----------------------------------------|------------------|
| Connection type, additional connection | Screw connection |
|----------------------------------------|------------------|

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |                     |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | S4 (DIN 6911)       | Clamping range, max.                                                                    | 35 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 2.5 mm <sup>2</sup> | Clamping screw                                                                          | M 6                 |
| Connection cross-section, stranded, max.                                                | 35 mm <sup>2</sup>  | Connection cross-section, stranded, min.                                                | 2.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side             | Gauge to IEC 60947-1                                                                    | B8                  |
| Number of connections                                                                   | 2                   | Stripping length                                                                        | 18 mm               |
| Tightening torque, min.                                                                 | 5 Nm                | 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 mm <sup>2</sup>  | Wire connection cross section, finely stranded, min.                                    | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 35 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 35 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.                                         | 16 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.                                         | 2.5 mm <sup>2</sup> |

## Dimensions

|              |       |
|--------------|-------|
| TS 35 offset | 28 mm |
|--------------|-------|

## 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 mm <sup>2</sup> | Rated voltage to adjoining terminal                  | 800 V         |
| Rated DC voltage                             | 800 V              | Standards                                            | IEC 60947-7-2 |
| Volume resistance according to IEC 60947-7-x | 0.26 mΩ            | Rated impulse withstand voltage to adjacent terminal | 8 kV          |
| Power loss in accordance with IEC 60947-7-x  | 4 W                | Pollution severity                                   | 3             |

## UL rating data

|                                         |        |                                         |       |
|-----------------------------------------|--------|-----------------------------------------|-------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 1 AWG |
| Conductor size Factory wiring min. (UR) | 12 AWG | Conductor size Field wiring max. (UR)   | 1 AWG |
| Conductor size Field wiring min. (UR)   | 12 AWG |                                         |       |

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## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000901    | ETIM 7.0    | EC000901    |
| ETIM 8.0    | EC000901    | ETIM 9.0    | 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 |
| ECLASS 12.0 | 27-14-11-41 | ECLASS 13.0 | 27-25-01-03 |

## Approvals

Approvals



|                           |            |
|---------------------------|------------|
| ROHS                      | Conform    |
| UL File Number Search     | UL Website |
| Certificate No. (UR)      | E60693     |
| Certificate No. (cURusEX) | E184763    |

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">IECEx Certificate</a><br><a href="#">DNVGL certificate</a><br><a href="#">Lloyds Register Certificate</a><br><a href="#">ATEX Certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                                             |
| Engineering Data                            | <a href="#">Zuken E3.S</a>                                                                                                                                                                                                                                                                                                  |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                                                                                                                                                                             |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                    |
| Brochures                                   |                                                                                                                                                                                                                                                                                                                             |

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## Drawings

