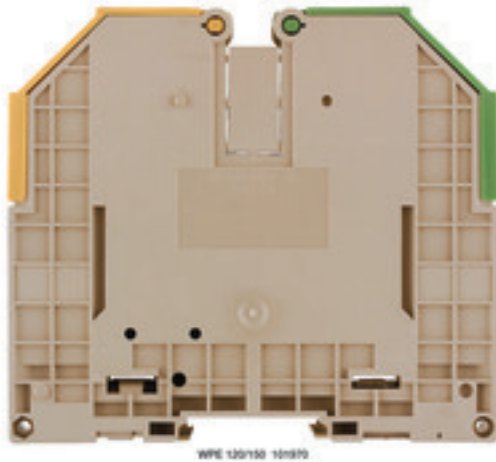


**WPE 120/150****Weidmüller Interface GmbH & Co. KG**

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, Green/yellow, 120 mm², 1000 V, Number of connections: 2, Number of levels: 1, TS 35, V-O, Wemid |
| Order No.  | <a href="#">1019700000</a>                                                                                                     |
| Type       | WPE 120/150                                                                                                                    |
| GTIN (EAN) | 4008190495671                                                                                                                  |
| Qty.       | 10 pc(s).                                                                                                                      |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 117 mm     | Depth (inches) | 4.606 inch |
| Depth including DIN rail | 125.5 mm   | Height         | 132 mm     |
| Height (inches)          | 5.197 inch | Width          | 32 mm      |
| Width (inches)           | 1.26 inch  | Net weight     | 564.253 g  |

## Temperatures

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °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) | 150 mm <sup>2</sup> | Wire cross section max. (IECEx) | 150 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 |

## CSA rating data

|                               |           |                               |           |
|-------------------------------|-----------|-------------------------------|-----------|
| Certificate No. (CSA)         | 12400-382 | Wire cross section max. (CSA) | 250 kcmil |
| Wire cross section min. (CSA) | 2 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                                                                              | S6 (DIN 6911)         | Clamping range, max.                                                                    | 150 mm <sup>2</sup> |
| Clamping range, min.                                                                    | 33.62 mm <sup>2</sup> | Clamping screw                                                                          | M 10                |
| Connection cross-section, stranded, max.                                                | 150 mm <sup>2</sup>   | Connection cross-section, stranded, min.                                                | 35 mm <sup>2</sup>  |
| Connection direction                                                                    | on side               | Gauge to IEC 60947-1                                                                    | B13                 |
| Number of connections                                                                   | 2                     | Stripping length                                                                        | 35 mm               |
| Tightening torque, max.                                                                 | 20 Nm                 | Tightening torque, min.                                                                 | 10 Nm               |
| Type of connection                                                                      | Screw connection      | Wire connection cross section AWG, max.                                                 | kcmil 250           |
| Wire connection cross section AWG, min.                                                 | AWG 2                 | Wire connection cross section, finely stranded, max.                                    | 150 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, min.                                    | 35 mm <sup>2</sup>    | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 150 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 35 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. | 35 mm <sup>2</sup>    | Wire connection cross-section, solid core, max.                                         | 150 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.                                         | 35 mm <sup>2</sup>    |                                                                                         |                     |

## Dimensions

|              |       |
|--------------|-------|
| TS 35 offset | 32 mm |
|--------------|-------|

## General

|                                         |                 |                                         |           |
|-----------------------------------------|-----------------|-----------------------------------------|-----------|
| Installation advice                     | when screwed in | Rail                                    | TS 35     |
| Standards                               | IEC 60947-7-2   | Wire connection cross section AWG, max. | kcmil 250 |
| Wire connection cross section AWG, min. | AWG 2           |                                         |           |

## PE rating data

|                                          |                                |                              |     |
|------------------------------------------|--------------------------------|------------------------------|-----|
| Rated short-time current                 | 14400 A (120 mm <sup>2</sup> ) | Centre screw on PE terminals | M 6 |
| Tightening torque range for fixing screw | 3.0...6.0 Nm                   | PEN function                 | Yes |

## Rating data

|                                              |                     |                                                      |               |
|----------------------------------------------|---------------------|------------------------------------------------------|---------------|
| Rated cross-section                          | 120 mm <sup>2</sup> | Rated voltage to adjoining terminal                  | 1,000 V       |
| Rated DC voltage                             | 1,000 V             | Standards                                            | IEC 60947-7-2 |
| Volume resistance according to IEC 60947-7-x | 0.12 mΩ             | Rated impulse withstand voltage to adjacent terminal | 8 kV          |
| Power loss in accordance with IEC 60947-7-x  | 8.61 W              | Pollution severity                                   | 3             |

## UL rating data

|                                         |        |                                         |           |
|-----------------------------------------|--------|-----------------------------------------|-----------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 250 kcmil |
| Conductor size Factory wiring min. (UR) | 2 AWG  | Conductor size Field wiring max. (UR)   | 250 kcmil |
| Conductor size Field wiring min. (UR)   | 2 AWG  |                                         |           |

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## Technical data

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000901    | ETIM 7.0    | EC000901    |
| ETIM 8.0    | EC000901    | ETIM 9.0    | EC000901    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 27-25-01-03 |
| ECLASS 15.0 | 27-25-01-03 |             |             |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 1007fa59-32ea-4163-aa91-1482deede565 |

## Approvals

Approvals



|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID           | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319231/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319231/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319242/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319242/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319244/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319244/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/</a> |
| ROHS                      | Conform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| UL File Number Search     | UL Website                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Certificate No. (UR)      | E60693                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Certificate No. (cURusEX) | E184763                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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## Technical data

### Downloads

|                                             |                                                              |
|---------------------------------------------|--------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">IECEX Certificate</a>                            |
|                                             | <a href="#">Attestation of Conformity</a>                    |
|                                             | <a href="#">UKCA Ex Attestation of Conformity</a>            |
|                                             | <a href="#">CB Test Certificate</a>                          |
|                                             | <a href="#">CB Certificate</a>                               |
|                                             | <a href="#">UKCA Ex Certificate</a>                          |
|                                             | <a href="#">CCC Ex Certificate</a>                           |
|                                             | <a href="#">CE Declaration of Conformity</a>                 |
|                                             | <a href="#">ATEX Certificate</a>                             |
|                                             | <a href="#">UKCA declaration of conformity</a>               |
| Engineering Data                            | <a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
|                                             | <a href="#">CAD data – STEP</a>                              |
| User Documentation                          | <a href="#">Beipackzettel_WDU70-95_120-150.pdf</a>           |
|                                             | <a href="#">NTI WDU/WPE 120/150</a>                          |
|                                             | <a href="#">StorageConditionsTerminalBlocks</a>              |
|                                             | <a href="#">Instruction</a>                                  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                     |
| Brochures                                   |                                                              |

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## Drawings

