

**WDU 95N/120N IR****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    | Feed-through terminal, Screw connection, 120 mm <sup>2</sup> , 1000 V, 269 A, dark beige |
| Order No.  | <a href="#">1393430000</a>                                                               |
| Type       | WDU 95N/120N IR                                                                          |
| GTIN (EAN) | 4050118293005                                                                            |
| Qty.       | 5 pc(s).                                                                                 |

## WDU 95N/120N IR

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 90 mm      | Depth (inches) | 3.543 inch |
| Depth including DIN rail | 91 mm      | Height         | 91 mm      |
| Height (inches)          | 3.583 inch | Net weight     | 261.8 g    |
| Width                    | 27 mm      | Width (inches) | 1.063 inch |

## Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 130 °C         |                                  |        |

## Material data

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

## System specifications

|                                     |                                                                          |                               |     |
|-------------------------------------|--------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection,<br>for screwable cross-<br>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                 | No  |
| Rail                                | TS 35                                                                    | N-function                    | No  |
| PE function                         | No                                                                       | PEN function                  | Yes |

## Additional technical data

|                     |                 |                             |         |
|---------------------|-----------------|-----------------------------|---------|
| Installation advice | Direct mounting | Number of similar terminals | 1       |
| Open sides          | closed          | Type of mounting            | Snap-on |

## Conductors for clamping (rated connection)

|                                                                                               |                     |                                                                                               |                     |
|-----------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                                    | TX 40               | Clamping range, max.                                                                          | 150 mm <sup>2</sup> |
| Clamping range, min.                                                                          | 16 mm <sup>2</sup>  | Clamping screw                                                                                | M 10                |
| Connection cross-section, stranded,<br>max.                                                   | 150 mm <sup>2</sup> | Connection cross-section, stranded, min.                                                      | 16 mm <sup>2</sup>  |
| Connection direction                                                                          | on side             | Gauge to IEC 60947-1                                                                          | B13                 |
| Number of connections                                                                         | 2                   | Stripping length                                                                              | 27 mm               |
| Tightening torque, max.                                                                       | 20 Nm               | Tightening torque, min.                                                                       | 12 Nm               |
| Type of connection                                                                            | Screw connection    | Wire connection cross section AWG,<br>max.                                                    | kcmil 250           |
| Wire connection cross section AWG,<br>min.                                                    | AWG 4               | Wire connection cross section, finely<br>stranded, max.                                       | 120 mm <sup>2</sup> |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, max. | 95 mm <sup>2</sup>  | Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, min. | 16 mm <sup>2</sup>  |
| Wire connection cross-section, solid<br>core, max.                                            | 16 mm <sup>2</sup>  | Wire connection cross-section, solid<br>core, min.                                            | 16 mm <sup>2</sup>  |

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## General

|                                         |                 |                                         |           |
|-----------------------------------------|-----------------|-----------------------------------------|-----------|
| Installation advice                     | Direct mounting | Rail                                    | TS 35     |
| Standards                               | IEC 60947-7-1   | Wire connection cross section AWG, max. | kcmil 250 |
| Wire connection cross section AWG, min. | AWG 4           |                                         |           |

## Rating data

|                                              |         |                                 |                     |
|----------------------------------------------|---------|---------------------------------|---------------------|
| Power loss in accordance with IEC 60947-7-x  | 8.61 W  | Rated cross-section             | 120 mm <sup>2</sup> |
| Rated voltage                                | 1,000 V | Rated current                   | 269 A               |
| Current at maximum wires                     | 290 A   | Standards                       | IEC 60947-7-1       |
| Volume resistance according to IEC 60947-7-x | 0.12 mΩ | Rated impulse withstand voltage | 8 kV                |
| Pollution severity                           | 3       |                                 |                     |

## 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 |

## Approvals

Approvals



ROHS Conform

## Downloads

|                                             |                                                                                                                                                                  |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a>                                                                                                                                  |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                             |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                         |
| User Documentation                          | <a href="#">NTI WDU/WPE 95N/120</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">Instruction</a><br><a href="#">User documentation WZAD</a> |

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## Drawings