

# UK 5-TWIN-PE - Ground terminal



1923076

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1-level ground modular terminal block with single-sided double connection, cross section: 0.2 ... 4 mm<sup>2</sup>, AWG: 24 - 12, width: 6.2 mm, color: green-yellow

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## Your advantages

- Same shape and pitch as the feed-through terminal blocks
- Universal protective conductor foot for mounting on NS 35... or NS 32... DIN rails (with the exception of NS 35/15-2,3)

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## Technical data

### Product properties

|                       |                       |
|-----------------------|-----------------------|
| Product type          | Ground terminal block |
| Number of connections | 3                     |
| Number of rows        | 2                     |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 2   |

### Electrical properties

|                                                 |        |
|-------------------------------------------------|--------|
| Rated surge voltage                             | 6 kV   |
| Maximum power dissipation for nominal condition | 1.02 W |

### Connection data

|                                 |                   |
|---------------------------------|-------------------|
| Grounding foot                  | Yes               |
| Number of connections per level | 3                 |
| Nominal cross section           | 4 mm <sup>2</sup> |

### 1 level

|                                                                   |                                                                |
|-------------------------------------------------------------------|----------------------------------------------------------------|
| Screw thread                                                      | M3                                                             |
| Note                                                              | Please observe the current carrying capacity of the DIN rails. |
| Tightening torque                                                 | 0.6 ... 0.8 Nm                                                 |
| Stripping length                                                  | 8 mm                                                           |
| Connection in acc. with standard                                  | IEC 60947-7-2                                                  |
| Conductor cross section rigid                                     | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>                      |
| Cross section AWG                                                 | 24 ... 12 (converted acc. to IEC)                              |
| Conductor cross section flexible                                  | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>                      |
| Conductor cross section, flexible [AWG]                           | 24 ... 12 (converted acc. to IEC)                              |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>                     |
| Flexible conductor cross section (ferrule with plastic sleeve)    | 0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                   |

### Dimensions

|                    |         |
|--------------------|---------|
| Width              | 6.2 mm  |
| Height             | 50.5 mm |
| Depth on NS 32     | 52 mm   |
| Depth on NS 35/7,5 | 47 mm   |
| Depth on NS 35/15  | 54.5 mm |

### Material specifications

|                                        |              |
|----------------------------------------|--------------|
| Color                                  | green-yellow |
| Flammability rating according to UL 94 | V2           |
| Insulating material group              | I            |
| Insulating material                    | PA           |

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|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C |
| Relative insulation material temperature index (Elec., UL 746 B)        | 125 °C |

## Mechanical properties

### General

|                         |                                                     |
|-------------------------|-----------------------------------------------------|
| Terminal block mounting | 0.6 Nm ... 0.8 Nm (PE foot with mounting screw, M3) |
|-------------------------|-----------------------------------------------------|

### Mechanical data

|                 |    |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

## Environmental and real-life conditions

### Ambient conditions

|                                          |                                                                                                                              |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature (operation)          | -60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.) |
| Ambient temperature (storage/transport)  | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)                                                    |
| Ambient temperature (assembly)           | -5 °C ... 70 °C                                                                                                              |
| Ambient temperature (actuation)          | -5 °C ... 70 °C                                                                                                              |
| Permissible humidity (operation)         | 20 % ... 90 %                                                                                                                |
| Permissible humidity (storage/transport) | 30 % ... 70 %                                                                                                                |

## Standards and regulations

|                                  |               |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-2 |
|----------------------------------|---------------|

## Mounting

|                         |                                                     |
|-------------------------|-----------------------------------------------------|
| Mounting type           | NS 35/7,5                                           |
|                         | NS 35/15                                            |
|                         | NS 32                                               |
| Terminal block mounting | 0.6 Nm ... 0.8 Nm (PE foot with mounting screw, M3) |

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