

## Feed-through terminal block - UK 5 N-FE - 3048264

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Feed-through terminal block, Connection method: Screw connection, Cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 24 - 10, Width: 6.2 mm, Color: black/yellow, Mounting type: NS 35/7,5, NS 35/15, NS 32

The illustration shows the version in gray

### Why buy this product

- Universal foot which can be used on NS 35... and NS 32... DIN rails
- The UK universal screw terminal block series has the typical features which are decisive for practical applications
- Potential distribution via fixed bridges in the terminal center or insertion bridges in the clamping space

### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 50 STK                                                                                                  |
| GTIN                                 | <br>4 046356 762663 |
| Weight per Piece (excluding packing) | 9.209 g                                                                                                 |
| Weight per piece (including packing) | 9.209 g                                                                                                 |
| Country of origin                    | Germany                                                                                                 |
| Note                                 | Made to Order (non-returnable)                                                                          |

### Technical data

#### General

|                                        |                                                       |
|----------------------------------------|-------------------------------------------------------|
| Number of levels                       | 1                                                     |
| Number of connections                  | 2                                                     |
| Potentials                             | 1                                                     |
| Nominal cross section                  | 4 mm <sup>2</sup>                                     |
| Color                                  | black/yellow                                          |
| Insulating material                    | PA                                                    |
| Flammability rating according to UL 94 | V0                                                    |
| Rated surge voltage                    | 8 kV                                                  |
| Degree of pollution                    | 3                                                     |
| Overvoltage category                   | III                                                   |
| Insulating material group              | I                                                     |
| Maximum load current                   | 41 A (with 6 mm <sup>2</sup> conductor cross section) |

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## Technical data

### General

|                       |       |
|-----------------------|-------|
| Nominal current $I_N$ | 32 A  |
| Nominal voltage $U_N$ | 800 V |
| Open side panel       | Yes   |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 6.2 mm  |
| End cover width  | 1.8 mm  |
| Length           | 42.5 mm |
| Height NS 35/7,5 | 47 mm   |
| Height NS 35/15  | 54.5 mm |
| Height NS 32     | 52 mm   |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Connection method                                                                       | Screw connection     |
| Connection in acc. with standard                                                        | IEC 60947-7-1        |
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 6 mm <sup>2</sup>    |
| Conductor cross section AWG min.                                                        | 24                   |
| Conductor cross section AWG max.                                                        | 10                   |
| Conductor cross section flexible min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                                   | 4 mm <sup>2</sup>    |
| Min. AWG conductor cross section, flexible                                              | 24                   |
| Max. AWG conductor cross section, flexible                                              | 12                   |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 4 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>  |
| Cross section with insertion bridge, solid max.                                         | 4 mm <sup>2</sup>    |
| Cross section with insertion bridge, stranded max.                                      | 4 mm <sup>2</sup>    |
| 2 conductors with same cross section, solid min.                                        | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                        | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1.5 mm <sup>2</sup>  |
| Cross section with insertion bridge, solid max.                                         | 4 mm <sup>2</sup>    |
| Cross section with insertion bridge, stranded max.                                      | 4 mm <sup>2</sup>    |

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## Technical data

### Connection data

|                                       |                     |
|---------------------------------------|---------------------|
| Connection in acc. with standard      | IEC/EN 60079-7      |
| Conductor cross section solid min.    | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.    | 6 mm <sup>2</sup>   |
| Conductor cross section AWG min.      | 24                  |
| Conductor cross section AWG max.      | 10                  |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible max. | 4 mm <sup>2</sup>   |
| Stripping length                      | 8 mm                |
| Internal cylindrical gage             | A4                  |
| Screw thread                          | M3                  |
| Tightening torque, min                | 0.6 Nm              |
| Tightening torque max                 | 0.8 Nm              |

### Standards and Regulations

|                                        |               |
|----------------------------------------|---------------|
| Connection in acc. with standard       | CSA           |
|                                        | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0            |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141120 |
| eCl@ss 4.1 | 27141120 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |

## Feed-through terminal block - UK 5 N-FE - 3048264

### Approvals

#### Approvals

#### Approvals

KEMA-KEUR / CSA / UL Recognized / cUL Recognized / LR / GL / RS / PRS / KR / NK / LR / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

#### Approval details

|                                                                                              |       |
|----------------------------------------------------------------------------------------------|-------|
| KEMA-KEUR  |       |
| mm²/AWG/kcmil                                                                                | 4     |
| Nominal voltage UN                                                                           | 800 V |

|                                                                                         |       |
|-----------------------------------------------------------------------------------------|-------|
| CSA  |       |
| mm²/AWG/kcmil                                                                           | 28-10 |
| Nominal current IN                                                                      | 30 A  |
| Nominal voltage UN                                                                      | 600 V |

|                                                                                                   |       |
|---------------------------------------------------------------------------------------------------|-------|
| UL Recognized  |       |
| mm²/AWG/kcmil                                                                                     | 30-10 |
| Nominal current IN                                                                                | 30 A  |
| Nominal voltage UN                                                                                | 600 V |

|                                                                                                    |       |
|----------------------------------------------------------------------------------------------------|-------|
| cUL Recognized  |       |
| mm²/AWG/kcmil                                                                                      | 30-10 |

## Feed-through terminal block - UK 5 N-FE - 3048264

### Approvals

|                                |       |
|--------------------------------|-------|
|                                |       |
| Nominal current I <sub>N</sub> | 30 A  |
| Nominal voltage U <sub>N</sub> | 600 V |

|                                |       |
|--------------------------------|-------|
| LR                             |       |
|                                |       |
| mm <sup>2</sup> /AWG/kcmil     | 10    |
| Nominal current I <sub>N</sub> | 57 A  |
| Nominal voltage U <sub>N</sub> | 800 V |

|    |
|----|
| GL |
|----|

|    |
|----|
| RS |
|----|

|     |
|-----|
| PRS |
|-----|

|    |
|----|
| KR |
|----|

|    |
|----|
| NK |
|----|

|                                |       |
|--------------------------------|-------|
| LR                             |       |
|                                |       |
| mm <sup>2</sup> /AWG/kcmil     | 4     |
| Nominal current I <sub>N</sub> | 32 A  |
| Nominal voltage U <sub>N</sub> | 800 V |

|     |
|-----|
| EAC |
|-----|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|

### Drawings

Circuit diagram



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