

# MXK 4 - Feed-through terminal block



0561002

<https://www.phoenixcontact.com/us/products/0561002>

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Feed-through terminal block, nom. voltage: 690 V, nominal current: 32 A, number of connections: 2, connection method: Screw connection, cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 15, color: gray

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 0561002       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE12          |
| Product key                          | BE1261        |
| GTIN                                 | 4017918002909 |
| Weight per piece (including packing) | 8.301 g       |
| Weight per piece (excluding packing) | 8.235 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | PL            |

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## Technical data

### Product properties

|                       |                             |
|-----------------------|-----------------------------|
| Product type          | Feed-through terminal block |
| Number of connections | 2                           |
| Number of rows        | 1                           |

### Electrical properties

|                                                 |     |
|-------------------------------------------------|-----|
| Maximum power dissipation for nominal condition | 0 W |
|-------------------------------------------------|-----|

### Connection data

|                                                                |                                           |
|----------------------------------------------------------------|-------------------------------------------|
| Number of connections per level                                | 2                                         |
| Connection method                                              | Screw connection                          |
| Screw thread                                                   | M3                                        |
| Tightening torque                                              | 0.6 ... 0.8 Nm                            |
| Stripping length                                               | 8 mm                                      |
| Internal cylindrical gage                                      | A3                                        |
| Connection in acc. with standard                               | IEC 60947-7-1                             |
| 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)         |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| Nominal current                                                | 32 A                                      |
| Nominal voltage                                                | 690 V                                     |

### Dimensions

|                    |        |
|--------------------|--------|
| Width              | 6.2 mm |
| Height             | 28 mm  |
| Depth on NS 35/7,5 | 38 mm  |

### Material specifications

|                                                                         |                 |
|-------------------------------------------------------------------------|-----------------|
| Color                                                                   | gray (RAL 7042) |
| Flammability rating according to UL 94                                  | V0              |
| Insulating material                                                     | PA              |
| Static insulating material application in cold                          | -60 °C          |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C          |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C          |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg        |
| Surface flammability NFPA 130 (ASTM E 162)                              | passed          |
| Specific optical density of smoke NFPA 130 (ASTM E 662)                 | passed          |
| Smoke gas toxicity NFPA 130 (SMP 800C)                                  | passed          |

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## Electrical tests

### Surge voltage test

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

### Temperature-rise test

|                                                |                                     |
|------------------------------------------------|-------------------------------------|
| Requirement temperature-rise test              | Increase in temperature $\leq 45$ K |
| Result                                         | Test passed                         |
| Short-time withstand current 4 mm <sup>2</sup> | 0.48 kA                             |
| Result                                         | Test passed                         |

### Power-frequency withstand voltage

|                       |             |
|-----------------------|-------------|
| Test voltage setpoint | 1.89 kV     |
| Result                | Test passed |

## Mechanical properties

### Mechanical data

|                 |     |
|-----------------|-----|
| Open side panel | Yes |
|-----------------|-----|

## Mechanical tests

### Mechanical strength

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

### Attachment on the carrier

|                         |             |
|-------------------------|-------------|
| DIN rail/fixing support | NS 15       |
| Test force setpoint     | 1 N         |
| Result                  | Test passed |

## Environmental and real-life conditions

### Needle-flame test

|                  |             |
|------------------|-------------|
| Time of exposure | 30 s        |
| Result           | Test passed |

### Oscillation/broadband noise

|               |                                     |
|---------------|-------------------------------------|
| Specification | DIN EN 50155 (VDE 0115-200):2018-05 |
|---------------|-------------------------------------|

### 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 %                                                                                                                |

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## Standards and regulations

|                                  |               |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
|----------------------------------|---------------|

## Mounting

|               |       |
|---------------|-------|
| Mounting type | NS 15 |
|---------------|-------|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27250101 |
|-------------|----------|

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000897 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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## Environmental product compliance

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| China RoHS                             |                                          |
| Environment friendly use period (EFUP) | EFUP-E                                   |
|                                        | No hazardous substances above the limits |
| EU REACH SVHC                          |                                          |
| REACH candidate substance (CAS No.)    | No substance above 0.1 wt%               |

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