



Feed-through terminal, Screw connection, Mounting type: Mounting surface, Rated cross-section: 4 mm², Colour: Grey

RAL: 7032

Business data

| | |
|--|-----------------------------|
| Article number | <u>17382.6</u> |
| Article name | SDK 4/1A/1L GR |
| GTIN (EAN) | 4044211199241 |
| Packaging unit | 50 |
| Quantity unit | PC |
| Weight per piece (not including packaging) | 8.19 g |
| Weight per piece (including packaging) | 8.23 g |
| Unit of weight | G |
| Customs number | 85369010 |
| Country of origin | CZ |
| Product description | Panel feed-through terminal |
| Colour | Grey |

Technical data

Dimensions

| | |
|----------------------|---------|
| Length of outer part | 27.5 mm |
| Length of inner part | 7.3 mm |
| Width of outer part | 8.1 mm |
| Width of inner part | 8.1 mm |
| Height of outer part | 28.2 mm |
| Height of inner part | 28.4 mm |

Ratings

| | |
|--|-------------------|
| Rated voltage | 250 V |
| Rated voltage when used without outer spacer plates, and when mounted on a conductive housing panel with use of encapsulation compound or inner partition plates | 630 V |
| Rated voltage when used with outer spacer plates, and when mounted on a conductive housing panel with use of encapsulation compound or inner partition plates | 1000 V |
| Rated current | 32 A |
| Current load, max. | 41 A |
| Rated cross-section | 4 mm ² |
| Rated impulse voltage | 6 kV |
| Overvoltage category | III |
| Contamination degree | 3 |
| Maximum power dissipation for nominal condition | 1.02 W |

Technical data

Connection data

| | |
|---|---------------------|
| Connection principle | Screw connection |
| Number of terminals per pole | 2 |
| No. of poles | 1 |
| Wire cross-section single-core (rigid) / stranded, min. | 0.2 mm ² |
| Wire cross-section single core (rigid)/stranded, max. | 6 mm ² |
| Wire cross-section stranded, min. | 0.2 mm ² |
| Wire cross-section stranded, max. | 4 mm ² |
| Wire cross-section stranded with wire-end ferrules,min. | 0.2 mm ² |
| Wire cross-section stranded with wire-end ferrules,max. | 4 mm ² |
| Wire cross-section AWG, min. | 26 |
| Wire cross-section AWG, max. | 10 |
| Stripping length | 10 mm |
| Screw head | Slotted |
| Screw threading | M 3 |
| Tightening torque, min. | 0.5 Nm |
| Tightening torque, max. | 1 Nm |

Materials

| | |
|---------------------------|---------------|
| Insulation housing | Polyamide 6.6 |
| Flammability class UL 94 | V-0 |
| Working temperature, min. | -40 °C |
| Working temperature, max. | 120 °C |

Further technical data

| | |
|--|---------------|
| Mounting type | Mounting face |
| Gauge plug acc. to EN 60 947-1 | A4 |
| Sheet thickness min. | 1 mm |
| Sheet thickness max. | 4 mm |
| Sheet thickness when using spacer plates, min. | 1 mm |
| Sheet thickness when using spacer plates, max. | 3 mm |
| Thickness of mounting plate, min. | 1 |
| Thickness of mounting plate, max. | 4 |

Technical data

Environmental Product Compliance

| | |
|--------------------------------|------------|
| REACH Conform | yes |
| REACH Reference date | 2024-01-23 |
| REACH Candidate Substance Note | No |
| RoHS Conform | yes |

Approvals

Standards and regulations

| | |
|--------------|----------------|
| EAC approval | TR ZU 004/2011 |
|--------------|----------------|

| | |
|----------------------|-----|
| EAC approval granted | yes |
|----------------------|-----|

Approvals

cUL Recognized

| | |
|---|--------------|
| cUL approval | C22.2 No 158 |
| cUL Usegroup B: rated voltage | 300 V |
| cUL Usegroup B: rated voltage when using the SDK...-DP spacer plate | 300 V |
| cUL Usegroup B: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition | 600 V |
| cUL Usegroup B: rated current | 30 A |
| cUL Usegroup B: rated current when using the SDK...-DP spacer plate | 30 A |
| cUL Usegroup B: rated current when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition | 30 A |
| cUL Usegroup C: rated voltage when using the SDK 4-DP spacer plate | 300 V |
| cUL Usegroup C: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition | 600 V |
| cUL Usegroup C: rated current when using the SDK 4-DP spacer plate | 30 A |
| cUL Usegroup C: rated current when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition | 30 A |
| cUL Usegroup D: rated voltage | 300 V |
| cUL Usegroup D: rated voltage when using the SDK 4-DP spacer plate | 600 V |
| cUL Usegroup D: rated voltage when using the SDK...-DP spacer plate and the SDK ...-AP adapter plate | 300 V |
| cUL Usegroup D: rated current | 30 A |
| cUL Usegroup D: rated current when using the SDK 4-DP spacer plate | 5 A |
| cUL Usegroup D: rated current when using the SDK...-DP spacer plate and the SDK ...-AP adapter plate | 30 A |
| cUL wire cross-section single-core (rigid) AWG, min. | 26 |
| cUL wire cross-section single-core (rigid) AWG, max. | 10 |
| cUL wire cross-section stranded AWG, min. | 26 |
| cUL wire cross-section stranded AWG, max. | 10 |
| cUL torque, min. | 0.5 Nm |
| cUL torque, max. | 1 Nm |
| cUL wire material | Cu |
| cUL Recognized | 1 |

Approvals

KEMA KEUR approval

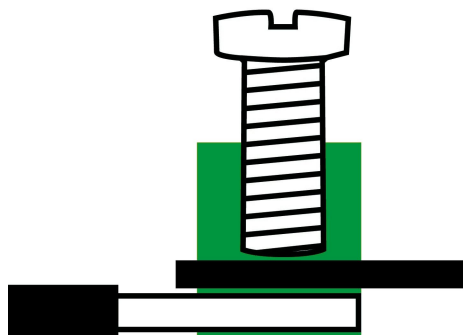
| | |
|---|---------------------|
| KEMA KEUR approval | EN 60947-7-1:2009 |
| KEMA KEUR approval granted | yes |
| KEMA rated voltage | 250 V |
| KEMA rated voltage when used outside without spacer plates, and inside when mounted on a conductive housing panel with use of encapsulation compound or partition plate | 630 V |
| KEMA rated voltage when used with outer spacer plates, and when mounted on a conductive housing panel with use of encapsulation compound or inner partition plates | 1000 V |
| KEMA rated current | 32 A |
| KEMA conventional thermal current in free air | 41 A |
| KEMA rated impulse voltage (for 250 V without partitions) | 6 (4) kV |
| KEMA wire cross-section, min. | 0.2 mm ² |
| KEMA wire cross-section, max. | 6 mm ² |

Approvals

UL Recognized

| | |
|--|-------------|
| UL approval | UL 1059 |
| UL Usegroup B: rated voltage | 300 V |
| UL Usegroup B: rated voltage when using the SDK ...-VPI moulded plate and the SDK ...-TWI partition | 300 V |
| UL Usegroup B: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition | 600 V |
| UL Usegroup B: rated current | 30 A |
| UL Usegroup B: rated current when using the SDK ...-VPI moulded plate and the SDK ...-TWI partition | 30 A |
| UL Usegroup B: rated current when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition | 30 A |
| UL Usegroup C: rated voltage when using the SDK 4-VPI moulded plate or the SDK 4-TWI partition | 300 V |
| UL Usegroup C: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition | 600 V |
| UL Usegroup C: rated current when using the SDK 4-VPI moulded plate or the SDK 4-TWI partition | 30 A |
| UL Usegroup C: rated current when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition | 30 A |
| UL Usegroup D: rated voltage | 300 V |
| UL Usegroup D: rated voltage when using the SDK 4-VPI moulded plate or the SDK 4-TWI partition | 300 V |
| UL Usegroup D: rated current | 30 A |
| UL Usegroup D: rated current when using the SDK 4-VPI moulded plate or the SDK 4-TWI partition | 30 A |
| UL wire cross-section single-core (rigid) AWG, min. | 26 |
| UL wire cross-section single-core (rigid) AWG, max. | 10 |
| UL wire cross-section stranded AWG, min. | 26 |
| UL wire cross-section stranded AWG, max. | 10 |
| UL torque, min. | 4.42 Lb In. |
| UL torque, max. | 8.85 Lb In. |
| UL wire material | Cu |
| UL factory wiring | 1 |
| UL field wiring | 1 |
| UL Recognized | 1 |

Media



C **RU**[®] **US**

M3

EAC



17382.6 SDK 4/1A/1L GR

Accessories

Inner mounting screw



Screw, Colour: natural

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|---------------|---------------|----------------|
| <u>17438.6</u> | BS-SDK 4 3x10 | 4044211206253 | 100 ST |

Outer spacer plate



Partition plate, Width: 3 mm, Colour: Grey

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>17434.6</u> | SDK 4-DPA GR | 4044211206222 | 50 ST |

Set: outer flange plate



Flange plate, Colour: Grey

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>17432.6</u> | SDK 4-FP GR | 4044211199265 | 50 ST |

Perforated foam seal



Seal, Colour: Dark grey

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|-----------------|---------------|----------------|
| <u>17436.4</u> | SDK 4-SPI/10 DG | 4044211206574 | 100 ST |

Quick marking

17382.6 SDK 4/1A/1L GR



Terminal marker / Pocket Maxicard, Length: 12 mm, Width: 8 mm, Colour: White

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|---------------------|---------------|----------------|
| <u>9410.7</u> | PMC BSTR 8x12/21 WH | 4044211154998 | 210 ST |

Screwdriver

Screwdriver with bare blade, Colour: Black-grey



| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>1086.0</u> | SDB 0,6x3,5 | 4044211014797 | 1 ST |

Inner moulded plate

Partition plate, Width: 7 mm, Colour: Grey



| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>17437.6</u> | SDK 4-VPI GR | 4044211206246 | 50 ST |