# - FRONT 2,5-V/SA10/ 2 BK - 1809539

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PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 2, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 90 °, Color: black

## Key commercial data

| | |
|---|---|
| Packing unit | 1 pc |
| Minimum order quantity | 10 pc |
| Weight per Piece (excluding packing) | 8.0 GRM |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

## Technical data

### Dimensions

| | |
|---|---|
| Length | 18.5 mm |
| Height | 31 mm |
| Pitch | 5 mm |
| Dimension a | 5 mm |
| Pin dimensions | 0,8 x 0,8 mm |
| Pin spacing | 10 mm |
| Hole diameter | 1.2 mm |

### General

| | |
|---|---|
| Range of articles | FRONT 2,5-V/SA10 |
| Rated surge voltage (III/3) | 4 kV |
| Rated surge voltage (III/2) | 4 kV |
| Rated surge voltage (II/2) | 4 kV |
| Rated voltage (III/3) | 250 V |
| Rated voltage (III/2) | 400 V |
| Rated voltage (II/2) | 630 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 24 A |
| Nominal cross section | 2.5 mm² |
| Solder pin surface | Sn |
| Internal cylindrical gage | A3 |
| Stripping length | 9 mm |

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## Technical data

### General

| | |
|---|---|
| Number of positions | 2 |
| Screw thread | M2,5 |
| Tightening torque, min | 0.4 Nm |
| Tightening torque max | 0.5 Nm |

### Connection data

| | |
|---|---|
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 14 |
| 2 conductors with same cross section, solid min. | 0.2 mm² |
| 2 conductors with same cross section, solid max. | 0.75 mm² |
| 2 conductors with same cross section, stranded min. | 0.2 mm² |
| 2 conductors with same cross section, stranded max. | 0.75 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.34 mm² |
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 12 |

## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440401 |

### ETIM

| | |
|---|---|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11 | 39121432 |

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## Classifications

### UNSPSC

| | |
|---|---|
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121432 |

## Approvals

### Approvals

Approvals

GOST / CSA / UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

GOST

CSA

| | B | D |
|---|---|---|
| mm²/AWG/kcmil | 24-12 | 24-12 |
| Nominal current IN | 10 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

UL Recognized

| | | B | C | D |
|---|---|---|---|---|
| mm²/AWG/kcmil | 30-12 | 30-12 | 30-12 | |
| Nominal current IN | 10 A | 17 A | 10 A | |
| Nominal voltage UN | 250 V | 300 V | 300 V | |

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## Approvals

cUL Recognized

| | | B | C | D |
|---|---|---|---|---|
| mm²/AWG/kcmil | 30-12 | 30-12 | 30-12 | |
| Nominal current IN | 10 A | 17 A | 10 A | |
| Nominal voltage UN | 250 V | 300 V | 300 V | |

GOST

cULus Recognized

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