

## Sample set - SAMPLE MC 0,5/ 5-G-2,54 P20THR - 1835985

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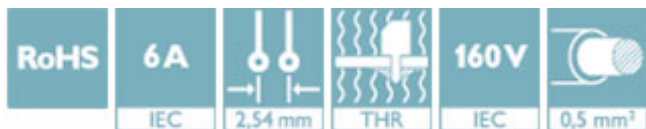
PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 5, pitch: 2.54 mm, color: black, contact surface: Gold, mounting: THR soldering



The figure shows the 10-position version

### Your advantages

- ✓ Designed for integration into the SMT soldering process
- ✓ Additional solder anchors reduce the mechanical strain on the soldering spots
- ✓ Gold-plated contacts ensure transfer quality remains stable over the long term
- ✓ Supplied in tape-on-reel packing according to IEC 60286-3 for automated mounting



### Key Commercial Data

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit         | 1                                                                                                       |
| GTIN                 | <br>4 055626 016962 |
| GTIN                 | 4055626016962                                                                                           |
| Custom tariff number | 85366930                                                                                                |

### Technical data

#### Dimensions

|                          |                |
|--------------------------|----------------|
| Length [ l ]             | 7.1 mm         |
| Width                    | 17.24 mm       |
| Pitch                    | 2.54 mm        |
| Dimension a              | 10.16 mm       |
| Width [ w ]              | 17.24 mm       |
| Height [ h ]             | 6.8 mm         |
| Height                   | 4.85 mm        |
| Length of the solder pin | 2 mm           |
| Pin dimensions           | 0.64 x 0.64 mm |
| Length                   | 7.1 mm         |

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### Technical data

#### General

|                                        |                  |
|----------------------------------------|------------------|
| Range of articles                      | MC 0,5/...-G-THR |
| Insulating material group              | IIIa             |
| Rated surge voltage (III/3)            | 2.5 kV           |
| Rated surge voltage (III/2)            | 2.5 kV           |
| Rated surge voltage (II/2)             | 2.5 kV           |
| Rated voltage (III/3)                  | 32 V             |
| Rated voltage (III/2)                  | 160 V            |
| Rated voltage (II/2)                   | 160 V            |
| Connection in acc. with standard       | EN-VDE           |
| Nominal current $I_N$                  | 6 A              |
| Insulating material                    | LCP              |
| Flammability rating according to UL 94 | V0               |
| Color                                  | black            |
| Number of positions                    | 5                |

#### Standards and Regulations

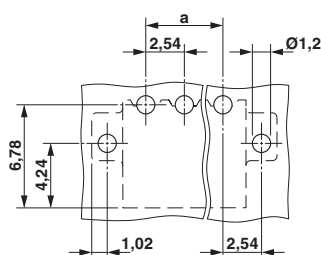
|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
| Flammability rating according to UL 94 | V0     |

#### Environmental Product Compliance

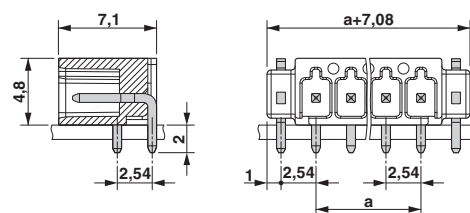
|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

### Drawings

Drilling diagram



Dimensional drawing



### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27260700 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440402 |
| eCl@ss 9.0 | 27440402 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002637 |
| ETIM 6.0 | EC002637 |

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121409 |
|-------------|----------|

### Approvals

#### Approvals

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#### Approvals

#### EAC

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#### Ex Approvals

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### Approval details

|     |                                                                                     |         |
|-----|-------------------------------------------------------------------------------------|---------|
| EAC |  | B.01742 |
|-----|-------------------------------------------------------------------------------------|---------|

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