

## Feed-through header - MSTBO 2,5/ 8-GR-5,08 - 1847165

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PCB headers, nominal current: 8 A, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

### Your advantages

- Well-known mounting principle allows worldwide use
- Can be combined with the MSTB 2,5 range
- Maximum flexibility when it comes to device design – one header for connectors with different connection technologies



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| Minimum order quantity               | 50 pc   |
| GTIN                                 | <br>4 017918 102609 |
| GTIN                                 | 4017918102609   |
| Weight per Piece (excluding packing) | 8.740 g   |
| Custom tariff number                 | 85366930  |
| Country of origin                    | Poland  |

### Technical data

#### Dimensions

|                          |          |
|--------------------------|----------|
| Length [ l ]             | 59.25 mm |
| Width                    | 40.59 mm |
| Pitch                    | 5.08 mm  |
| Dimension a              | 35.56 mm |
| Width [ w ]              | 40.59 mm |
| Length of the solder pin | 3.2 mm   |

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### Technical data

#### Dimensions

|                |               |
|----------------|---------------|
| Pin dimensions | 1.2 x 0.32 mm |
| Length         | 59.25 mm      |

#### General

|  |                 |
|--|-----------------|
| Range of articles                      | MSTBO 2,5/..-GR |
| Insulating material group              | I               |
| 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)                  | 320 V           |
| Rated voltage (II/2)                   | 630 V           |
| Connection in acc. with standard       | EN-VDE          |
| Nominal current $I_N$                  | 8 A             |
| Maximum load current                   | 8 A             |
| Insulating material                    | PA              |
| Flammability rating according to UL 94 | V0              |
| Color                                  | green           |
| Number of positions                    | 8               |

#### Standards and Regulations

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

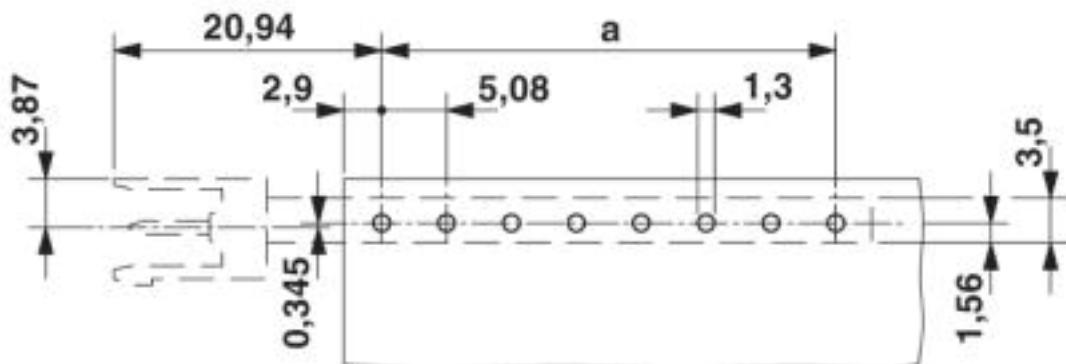
#### Environmental Product Compliance

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

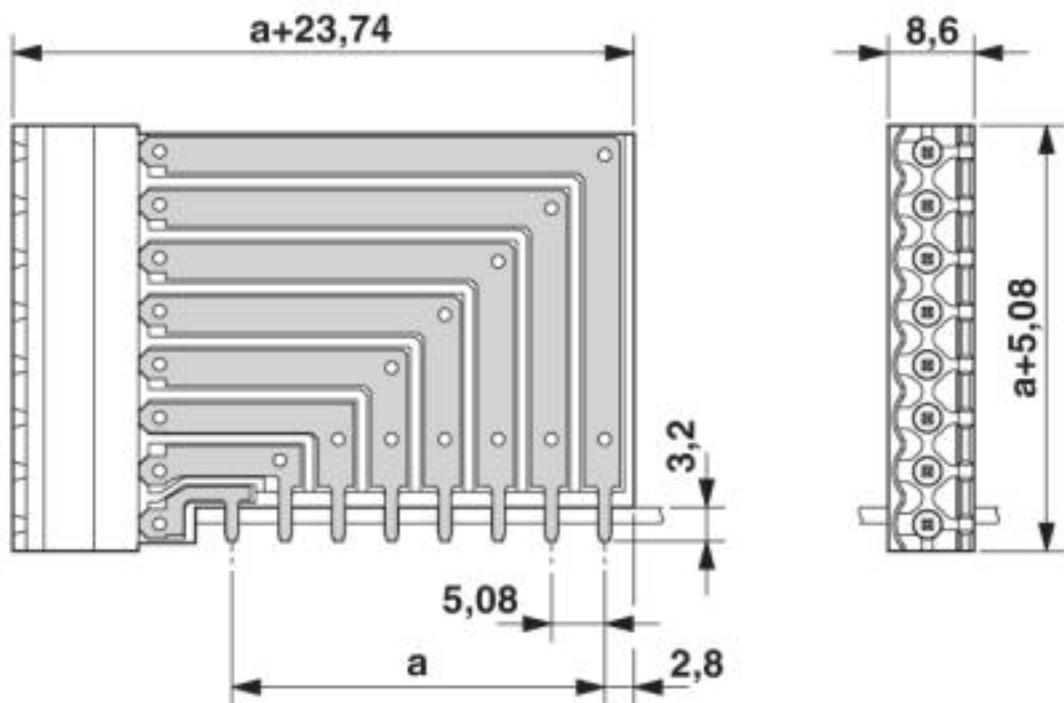
#### Drawings

## Feed-through header - MSTBO 2,5/ 8-GR-5,08 - 1847165

Drilling diagram



Dimensional drawing



### Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27260700 |
| eCl@ss 4.1 | 27260700 |
| eCl@ss 5.0 | 27260700 |
| eCl@ss 5.1 | 27260700 |

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### Classifications

#### eCl@ss

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

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |
| ETIM 6.0 | EC002637 |
| ETIM 7.0 | EC002637 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |

### Approvals

#### Approvals

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#### Approvals

CSA / IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

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#### Ex Approvals

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#### Approval details

|                    |   |   |       |
|--------------------|---|---|-------|
| CSA                |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
|                    | B   | D   |       |
| Nominal voltage UN | 300 V   | 300 V   |       |
| Nominal current IN | 6.5 A   | 6.5 A   |       |

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### Approvals

|                    |   |   |                |
|--------------------|---|---|----------------|
| IECEE CB Scheme    |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-60988-B1B2 |
| Nominal voltage UN |   | 250 V   |                |
| Nominal current IN |   | 8 A   |                |

|  |   |  |          |
|--|---|--|----------|
| VDE Gutachten mit<br>Fertigungsüberwachung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/<br/>VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40004701 |
| Nominal voltage UN                         |   | 250 V  |          |
| Nominal current IN                         |   | 8 A  |          |

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

|                    |   |   |                 |
|--------------------|---|---|-----------------|
| cULus Recognized   |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-20050718 |
|                    |   | B   | D               |
| Nominal voltage UN | 250 V   | 300 V   |                 |
| Nominal current IN | 8 A   | 8 A   |                 |

### Accessories

#### Accessories

#### Coding element

Coding section - CR-MSTB - 1734401

Coding section, inserted into the recess in the header or the inverted plug, red insulating material



#### Filler plug

## Feed-through header - MSTBO 2,5/ 8-GR-5,08 - 1847165

### Accessories

Accessories - MSTB-BL - 1755477



Keying cap, for forming sections, plugs onto header pin, green insulating material

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### Flange

Accessories - MSTB-BF - 1759981



Mounting flange, for fixing both ends of the header onto the PCB, green insulating material, with M 2 x 14 screws and nuts.

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### Labeled terminal marker

Marker card - SK 5,08/3,8:FORTL.ZAHLEN - 0804293



Marker card, Card, white, labeled, Horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... (99)100, mounting type: adhesive, for terminal block width: 5.08 mm, lettering field size: 5.08 x 3.8 mm

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### Additional products

Printed-circuit board connector - TVMSTB 2,5/ 8-ST-5,08 - 1719066



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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### Accessories

Printed-circuit board connector - FKCN 2,5/ 8-ST-5,08 - 1754623



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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Printed-circuit board connector - MSTB 2,5/ 8-ST-5,08 - 1757077



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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Printed-circuit board connector - MSTB 2,5/ 8-STZ-5,08 - 1764235



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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Printed-circuit board connector - MSTBP 2,5/ 8-ST-5,08 - 1769078



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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Printed-circuit board connector - FRONT-MSTB 2,5/ 8-ST-5,08 - 1777345



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Front screw connection, color: green, contact surface: Tin

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### Accessories

Printed-circuit board connector - MSTBT 2,5/ 8-ST-5,08 - 1781043



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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Printed-circuit board connector - MVSTBR 2,5/ 8-ST-5,08 - 1792304



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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Printed-circuit board connector - MVSTBW 2,5/ 8-ST-5,08 - 1792812



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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Printed-circuit board connector - MSTBC 2,5/ 8-ST-5,08 - 1808874



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Crimp connection, color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte

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Printed-circuit board connector - MSTBC 2,5/ 8-STZ-5,08 - 1809569



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Crimp connection, color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte

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### Accessories

Printed-circuit board connector - MSTBU 2,5/ 8-STD-5,08 - 1824188



Direct plug-in block, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin, mounting: Direct mounting

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Printed-circuit board connector - MSTBU 2,5/ 8-ST-5,08-FL - 1824418



Direct plug-in block, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin, mounting: Direct mounting

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Printed-circuit board connector - SMSTB 2,5/ 8-ST-5,08 - 1826348



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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Printed-circuit board connector - MSTBVK 2,5/ 8-ST-5,08 - 1831375



DIN rail connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin, mounting: DIN rail

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Printed-circuit board connector - UMSTBVK 2,5/ 8-ST-5,08 - 1833878



DIN rail connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin, mounting: DIN rail

## Feed-through header - MSTBO 2,5/ 8-GR-5,08 - 1847165

### Accessories

Printed-circuit board connector - TMSTBP 2,5/ 8-ST-5,08 - 1853078



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin, The plug allows conductors to be looped through from module to module.

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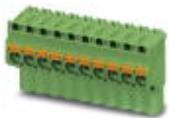
Printed-circuit board connector - FKC 2,5/ 8-ST-5,08 - 1873113



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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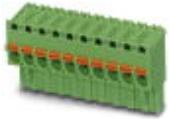
Printed-circuit board connector - FKCVW 2,5/ 8-ST-5,08 - 1873715



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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Printed-circuit board connector - FKCVR 2,5/ 8-ST-5,08 - 1874015



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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Printed-circuit board connector - QC 1/ 8-ST-5,08 - 1883310



PCB connector, nominal current: 10 A, number of positions: 8, pitch: 5.08 mm, connection method: Displacement connection, color: green, contact surface: Tin

## Feed-through header - MSTBO 2,5/ 8-GR-5,08 - 1847165

### Accessories

Printed-circuit board connector - FKCT 2,5/ 8-ST-5,08 - 1902178



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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Printed-circuit board connector - TFKC 2,5/ 8-ST-5,08 - 1962668



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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Printed-circuit board connector - FKCS 2,5/ 8-ST-5,08 - 1975134



PCB connector, nominal current: 12 A, number of positions: 8, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin