

# MSTBO 2,5/4-6 ST SET KMGY - PCB connectors

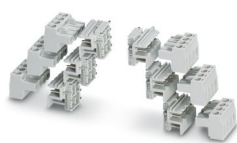


2713764

<https://www.phoenixcontact.com/ca/products/2713764>

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Kit consisting of COMBICON header and screw connectors for 6 x 4 positions (24-pos.), color: Light gray



## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2713764             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | AC08                |
| Product key                          | ACHADB              |
| Catalog page                         | Page 686 (C-1-2013) |
| GTIN                                 | 4017918914493       |
| Weight per piece (including packing) | 57.4 g              |
| Weight per piece (excluding packing) | 55.31 g             |
| Customs tariff number                | 85366990            |
| Country of origin                    | DE                  |

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## Set consists of

### MSTBO 2,5/ 4-G1L KMGY - PCB header

2907774

<https://www.phoenixcontact.com/ca/products/2907774>



PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: light grey, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Pin, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: MSTBO 2,5/...-G1L, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2,5, locking: without, type of packaging: packed in cardboard, Product with pin output on left side

### MSTBO 2,5/ 4-G1R KMGY - PCB header

2907787

<https://www.phoenixcontact.com/ca/products/2907787>



PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: light grey, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Pin, number of rows: 1, number of positions: 4, product range: MSTBO 2,5/...-G1R, connection method: pluggable, mounting: Wave soldering, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2,5, locking: without, Product with pin output on right side

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## MSTBT 2,5/ 4-ST KMGY - PCB connector

1878037

<https://www.phoenixcontact.com/ca/products/1878037>



PCB connector, nominal cross section: 2.5 mm<sup>2</sup>, color: light grey, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Socket, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: MSTBT 2,5/...-ST, pitch: 5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, pin layout: Linear pinning, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting: without, type of packaging: packed in cardboard

# MSTBO 2,5/4-6 ST SET KMGY - PCB connectors



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## Technical data

### Product properties

|                     |                |
|---------------------|----------------|
| Product type        | PCB headers    |
| Number of positions | 4              |
| Pitch               | 5 mm           |
| Mounting flange     | without        |
| Pin layout          | Linear pinning |

### Electrical properties

|                             |       |
|-----------------------------|-------|
| Rated voltage (II/2)        | 400 V |
| Rated voltage (III/2)       | 320 V |
| Rated surge voltage (II/2)  | 4 kV  |
| Rated surge voltage (III/2) | 4 kV  |
| Rated surge voltage (III/3) | 4 kV  |

### Mounting

|               |                |
|---------------|----------------|
| Mounting type | Soldering      |
| Pin layout    | Linear pinning |

### Material specifications

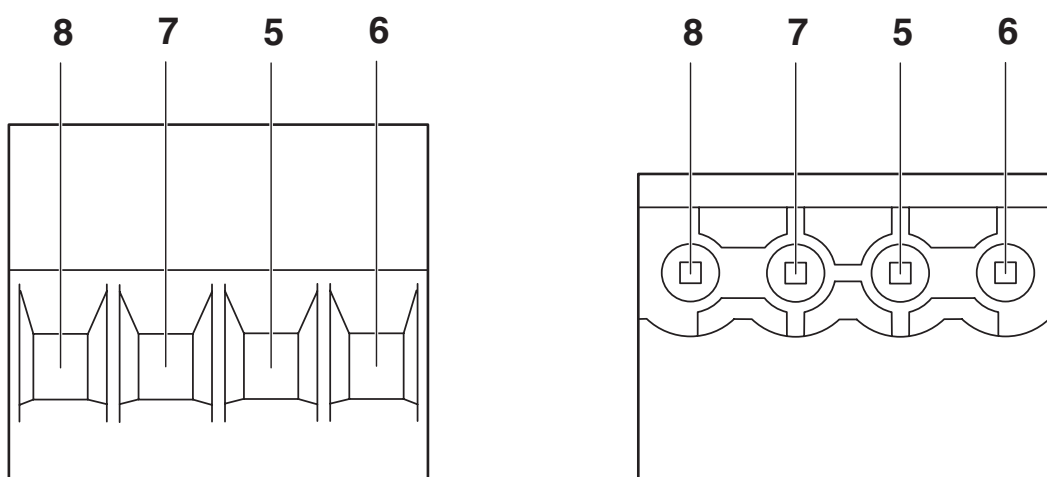
|                          |                       |
|--------------------------|-----------------------|
| Color (Housing)          | light grey (RAL 7035) |
| Insulating material      | PA                    |
| Contact surface material | Sn                    |

### Dimensions

|       |      |
|-------|------|
| Pitch | 5 mm |
|-------|------|

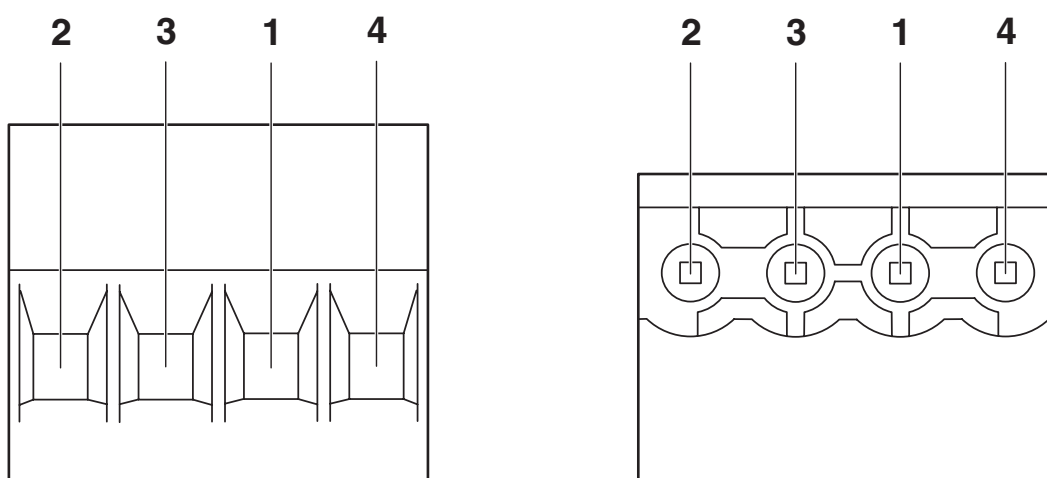
## Drawings

Schematic diagram



Pin assignment right

Schematic diagram



Pin assignment left

# MSTBO 2,5/4-6 ST SET KMGY - PCB connectors



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ca/products/2713764>

|  <b>CSA</b><br>Approval ID: 13631-2585951 |                       |                       |                   |                             |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                            | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B                                                                                                                | 300 V                 | 10 A                  | 28 - 12           | -                           |
| Use group D                                                                                                                | 300 V                 | 10 A                  | 28 - 12           | -                           |

|  <b>VDE Zeichengenehmigung</b><br>Approval ID: 40050648 |                       |                       |                   |                             |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                          | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                          | 250 V                 | 8 A                   | -                 | -                           |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27460201 |
| ECLASS-12.0 | 27460201 |
| ECLASS-13.0 | 27460201 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002637 |
|----------|----------|

### UNSPSC

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

Environmental product compliance

|                                         |                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS                                 |                                                                                                                                                                                                                                   |
| Fulfills EU RoHS substance requirements | Yes                                                                                                                                                                                                                               |
| Exemption                               | 6(c)                                                                                                                                                                                                                              |
| China RoHS                              |                                                                                                                                                                                                                                   |
| Environment friendly use period (EFUP)  | EFUP-50                                                                                                                                                                                                                           |
|                                         | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
| EU REACH SVHC                           |                                                                                                                                                                                                                                   |
| REACH candidate substance (CAS No.)     | Lead(CAS: 7439-92-1)                                                                                                                                                                                                              |
| SCIP                                    | 18b25eb6-cd91-4aca-9add-2e776882fd0d                                                                                                                                                                                              |
| EF3.0 Climate Change                    |                                                                                                                                                                                                                                   |
| CO2e kg                                 | 0.455 kg CO2e                                                                                                                                                                                                                     |