

# Product sheet

## Miniature connector



|         |   |                |                                      |
|---------|---|----------------|--------------------------------------|
| Product | <b>Contacts: 5, Male panel mount connector, crimp, screwed from front</b> | Area           | <b>M16 IP40 Series 581/ 680/ 682</b> |
| Pole    | <b>5</b>  | Article number | <b>09 0315 780 05</b>                |

| Illustration | Scale drawing | Contact Arrangement   |  |   |   |   |      |       |   |      |      |   |      |      |   |       |      |   |       |       |
|--------------|---------------|---|--|---|---|---|------|-------|---|------|------|---|------|------|---|-------|------|---|-------|-------|
|              |               | <table border="1" style="margin-left: 20px;"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3,03</td> <td>-1,75</td> </tr> <tr> <td>2</td> <td>3,03</td> <td>1,75</td> </tr> <tr> <td>3</td> <td>0,00</td> <td>3,50</td> </tr> <tr> <td>4</td> <td>-3,03</td> <td>1,75</td> </tr> <tr> <td>5</td> <td>-3,03</td> <td>-1,75</td> </tr> </tbody> </table> |  | X | Y | 1 | 3,03 | -1,75 | 2 | 3,03 | 1,75 | 3 | 0,00 | 3,50 | 4 | -3,03 | 1,75 | 5 | -3,03 | -1,75 |
|              | X             | Y   |  |   |   |   |      |       |   |      |      |   |      |      |   |       |      |   |       |       |
| 1            | 3,03          | -1,75   |  |   |   |   |      |       |   |      |      |   |      |      |   |       |      |   |       |       |
| 2            | 3,03          | 1,75  |  |   |   |   |      |       |   |      |      |   |      |      |   |       |      |   |       |       |
| 3            | 0,00          | 3,50  |  |   |   |   |      |       |   |      |      |   |      |      |   |       |      |   |       |       |
| 4            | -3,03         | 1,75  |  |   |   |   |      |       |   |      |      |   |      |      |   |       |      |   |       |       |
| 5            | -3,03         | -1,75   |  |   |   |   |      |       |   |      |      |   |      |      |   |       |      |   |       |       |

You can find the assembly instruction on the next page.

## Technical data

### Common values

|                          |                                      |
|--------------------------|--------------------------------------|
| Connector Design         | Male panel mount connector           |
| Connector locking system | screw                                |
| Termination              | Crimp                                |
| Wire gauge (mm)          | see crimp contacts under accessories |
| Cable outlet             | -                                    |
| Upper temperature        | 85 °C                                |
| Lower temperature        | -40 °C                               |

### Electrical values

|                       |                     |
|-----------------------|---------------------|
| Rated voltage         | 250 V               |
| Rated impulse voltage | 1500 V              |
| Pollution degree      | 1                   |
| Overvoltage category  | I                   |
| Material group        | III                 |
| Rated current (40°C)  | 6 A                 |
| Volume resistivity    | ≤ 5 mΩ              |
| EMV compliance        | not shielded        |
| Degree of protection  | IP40                |
| Mechanical operation  | > 500 mating cycles |

### Material

|                          |                            |
|--------------------------|----------------------------|
| Material of contact      | CuZn (Brass)               |
| Contact plating          | Ag (Silver)                |
| Material of contact body | PBT (UL 94 V-0)            |
| Material of housing      | CuZn (Brass nickel-plated) |

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Product

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5

Area  
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Pole

Installation instructions / Mounting cutout

