

# Product sheet

## Miniature connector



|         |  |                |                                      |
|---------|--|----------------|--------------------------------------|
| Product | <b>Contacts: 5, Female panel mount connector, solder, screwed from front, 2 - 8 contacts, with UL approval</b> | Area           | <b>M16 IP67 Series 423/ 723/ 425</b> |
| Pole    | <b>5</b>   | Article number | <b>09 0116 89 05</b>                 |

| Illustration | Scale drawing | Contact Arrangement   |  |   |   |   |       |       |   |       |      |   |      |      |   |      |      |   |      |       |
|--------------|---------------|---|--|---|---|---|-------|-------|---|-------|------|---|------|------|---|------|------|---|------|-------|
|              |               | <table border="1" style="margin-left: auto; margin-right: auto;"> <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         | Female panel mount connector |
| Connector locking system | screw                        |
| Termination              | Solder                       |
| Wire gauge (mm)          | 0.75 mm <sup>2</sup>         |
| Wire gauge (AWG)         | 20                           |
| Upper temperature        | 95 °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    | ≤ 3 mΩ              |
| EMV compliance        | shielded            |
| Degree of protection  | IP67                |
| Mechanical operation  | > 500 mating cycles |

### Material

|                          |                                |
|--------------------------|--------------------------------|
| Material of contact      | CuSn (Bronze)                  |
| Contact plating          | Au (Gold)                      |
| Material of contact body | PBT (UL 94 V-0)                |
| Material of housing      | Nickel-plated zinc die casting |

Contacts: 5, Female panel mount connector, solder, screwed from front, 2 - 8 contacts, gold plated contacts, with UL approval

**Product sheet**  
**Miniature connector**



|         |  |                |                                      |
|---------|--|----------------|--------------------------------------|
| Product | <b>Contacts: 5, Female panel mount connector, solder, screwed from front, 2 - 8 contacts, with UL approval</b> | Area           | <b>M16 IP67 Series 423/ 723/ 425</b> |
| Pole    | <b>5</b>   | Article number | <b>09 0116 89 05</b>                 |

**Installation instructions / Mounting cutout**

