

|         |   |                |                                |
|---------|---|----------------|--------------------------------|
| Product | <b>Contacts: 5, Cable: 5 x 0.5 mm<sup>2</sup>, PUR, female cable connector, overmoulded</b> | Area           | <b>M12-B Series 766</b>        |
| Pole    | <b>5</b>  | Article number | <b>77 4430 0000 50005-0500</b> |

| Illustration | Scale drawing | Contact Arrangement |
|--------------|---------------|---------------------|
|              |               |                     |

## Technical data

### Common values

|                          |                                |
|--------------------------|--------------------------------|
| Connector Design         | Female cable connector         |
| Connector locking system | screw                          |
| Termination              | crimp, injection-moulded cable |
| Wire gauge (mm)          | 0.50 mm <sup>2</sup>           |
| Wire gauge (AWG)         | 20                             |
| Upper temperature        | 85 °C                          |
| Lower temperature        | -25 °C                         |

### Cable data

|  |             |
|--|-------------|
| material housing                       | PUR         |
| Insulation single lead                 | PVC         |
| Single lead structure                  | 63 x 0.1 mm |
| Cable sheath Ø                         | 5.7         |
| Conductor resistance                   | 39 Ω/Km     |
| Temperature range cable movable c from | -5          |
| Temperature range cable movable c to   | 70          |
| Temperature range cable fixed c from   | -25         |
| Temperature range cable fixed c to     | 70          |
| Bending radius cable fixed             | 28 mm       |
| Bending radius cable movable           | 45 mm       |
| Cable diameter                         | 5.7         |

### Electrical values

|                       |                     |
|-----------------------|---------------------|
| Rated voltage         | 125 V               |
| Rated impulse voltage | 1500 V              |
| Pollution degree      | 3                   |
| Overvoltage category  | II                  |
| Material group        | II                  |
| Rated current (40°C)  | 4 A                 |
| Volume resistivity    | ≤ 3 mΩ              |
| EMV compliance        | not shielded        |
| Degree of protection  | IP68                |
| Mechanical operation  | > 100 mating cycles |

### Material

|                          |               |
|--------------------------|---------------|
| Material of contact      | CuSn (Bronze) |
| Contact plating          | Au (Gold)     |
| Material of contact body | PUR           |
| Material of housing      | PUR           |

Cable length: 5 x 0.5 mm<sup>2</sup>, Contacts: 5, Female cable connector overmoulded, cable length 5 m