

## SAC-3P-M12FY/2X5,0-PUR - 1405003

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RoHS

### Key Commercial Data

|                        |                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------|
| Packing unit           | 1 pc                                                                                                  |
| Minimum order quantity | 50 pc                                                                                                 |
| GTIN                   | <br>4 046356 733885 |
| GTIN                   | 4046356733885                                                                                         |

### Technical data

#### General

|               |         |
|---------------|---------|
| Rated voltage | 48 V AC |
|               | 60 V DC |

#### Cable

|                                               |                                       |
|-----------------------------------------------|---------------------------------------|
| Cable type                                    | PUR halogen-free black                |
| Cable type (abbreviation)                     | PUR                                   |
| Cable abbreviation                            | Li9Y11Y                               |
| UL AWM style                                  | 20549                                 |
| Conductor cross section                       | 3x 0.34 mm <sup>2</sup> (Signal line) |
| AWG signal line                               | 22                                    |
| Conductor structure signal line               | 42x 0.10 mm                           |
| Core diameter including insulation            | 1.27 mm ±0.02 mm (Signal line)        |
| Thickness, insulation                         | ≥ 0.21 mm (Core insulation)           |
|                                               | approx. 0.5 mm (Outer cable sheath)   |
| Wire colors                                   | brown, blue, black                    |
| Overall twist                                 | 3 wires, twisted                      |
| External sheath, color                        | black-gray RAL 7021                   |
| External cable diameter D                     | 3.85 mm ±0.15 mm                      |
| Smallest bending radius, fixed installation   | 19 mm                                 |
| Smallest bending radius, movable installation | 38 mm                                 |
| Number of bending cycles                      | 10000000                              |
| Bending radius                                | 44 mm                                 |
| Traversing path                               | 10 m                                  |

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### Technical data

#### Cable

|                                 |                                                                     |
|---------------------------------|---------------------------------------------------------------------|
| Traversing rate                 | 3 m/s                                                               |
| Acceleration                    | 10 m/s <sup>2</sup>                                                 |
| Cable weight                    | 23 kg/km                                                            |
| Outer sheath, material          | PUR                                                                 |
| Material conductor insulation   | PP                                                                  |
| Conductor material              | Bare Cu litz wires                                                  |
| Insulation resistance           | ≥ 100 GΩ*km (at 20 °C)                                              |
| Conductor resistance            | max. 58 Ω/km (at 20 °C)                                             |
| Nominal voltage, cable          | ≤ 300 V                                                             |
| Test voltage, cable             | ≥ 3000 V                                                            |
| Special properties              | Flexible cable conduit capable                                      |
|                                 | Silicone-free                                                       |
|                                 | Free of substances which would hinder coating with paint or varnish |
| Flame resistance                | in accordance with UL 758/1581 FT2                                  |
|                                 | DIN EN 60332-2-2 (20 s)                                             |
| Halogen-free                    | in accordance with DIN VDE 0472 part 815                            |
| Resistance to oil               | in accordance with DIN EN 60811-2-1                                 |
| Other resistance                | Highly resistant to acids, alkaline solutions and solvents          |
|                                 | hydrolysis and microbe resistant                                    |
|                                 | partly UV-resistant in accordance with DIN EN ISO 4892-2-A          |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation)                        |
|                                 | -25 °C ... 80 °C (cable, flexible installation)                     |

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