

## Sensor/Actuator cable - SAC-8P-MS/ 2,0-542 SH SCO BK - 1406073

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Sensor/Actuator cable, 8-position, PVC, yellow, shielded, Plug straight M12 SPEEDCON, A-coded, on Free cable end, Cable length: 2 m



### Key commercial data

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit         | 1                                                                                                       |
| GTIN                 | <br>4 046356 799744 |
| Custom tariff number | 85444290                                                                                                |

### Technical data

#### Dimensions

|                 |     |
|-----------------|-----|
| Length of cable | 2 m |
|-----------------|-----|

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |
| Degree of protection            | IP65                             |
|                                 | IP67                             |

#### General

|                              |                               |
|------------------------------|-------------------------------|
| Rated current at 40°C        | 2 A                           |
| Rated voltage                | 30 V                          |
| Number of positions          | 8                             |
| Contact resistance           | ≤ 5 mΩ                        |
| Insulation resistance        | ≥ 100 MΩ                      |
| Coding                       | A - standard                  |
| Standards/regulations        | M12 connector IEC 61076-2-101 |
| Status display               | No                            |
| Protective circuit/component | Unwired                       |
| Surge voltage category       | II                            |
| Pollution degree             | 3                             |

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## Technical data

### General

|                             |                        |
|-----------------------------|------------------------|
| Insertion/withdrawal cycles | ≥ 100                  |
| Torque                      | 0.4 Nm (M12 connector) |

### Material

|                                         |                                             |
|-----------------------------------------|---------------------------------------------|
| Inflammability class according to UL 94 | HB                                          |
| Contact material                        | CuZn                                        |
| Contact surface material                | Ni/Au                                       |
| Contact carrier material                | TPU GF                                      |
| Material of grip body                   | TPU, hardly inflammable, self-extinguishing |
| Material, knurls                        | Zinc die-cast, nickel-plated                |

### Cable

|                                               |                                                    |
|-----------------------------------------------|----------------------------------------------------|
| Cable type                                    | PVC yellow 105 °C                                  |
| Cable type (abbreviation)                     | 542                                                |
| UL AWM style                                  | 2517 (105°C/300 V)                                 |
| AWG signal line                               | 24                                                 |
| Core diameter including insulation            | 1.12 mm ±0.03 mm                                   |
| Wire colors                                   | white, brown, green, yellow, gray, pink, blue, red |
| Overall twist                                 | 8 wires around filler to the core                  |
| Shielding                                     | Tinned copper braided shield                       |
| Optical shield covering                       | 85 %                                               |
| External sheath, color                        | yellow                                             |
| External cable diameter D                     | 6.3 mm ±0.2 mm                                     |
| Minimum bending radius, flexible installation | 12 x D                                             |
| Cable weight                                  | 58 kg/km                                           |
| Outer sheath, material                        | PVC                                                |
| Material, filler                              | PP                                                 |
| Material conductor insulation                 | PVC                                                |
| Conductor material                            | Tin-plated Cu litz wires                           |
| Nominal voltage, cable                        | 300 V                                              |
| Other resistance                              | UV resistant                                       |
| Ambient temperature (operation)               | -30 °C ... 105 °C (cable, fixed installation)      |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 8.0 | 27449203 |
|------------|----------|

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |
| UNSPSC 12.01  | 31251501 |
| UNSPSC 13.2   | 31251501 |

### Approvals

#### Approvals

#### Approvals

UL Listed / cUL Listed / cULus Listed

#### Ex Approvals

#### Approvals submitted

#### Approval details

|                                                                                               |      |
|-----------------------------------------------------------------------------------------------|------|
| UL Listed  |      |
| Nominal current I <sub>N</sub>                                                                | 2 A  |
| Nominal voltage U <sub>N</sub>                                                                | 30 V |

|                                                                                                |      |
|------------------------------------------------------------------------------------------------|------|
| cUL Listed  |      |
| Nominal current I <sub>N</sub>                                                                 | 2 A  |
| Nominal voltage U <sub>N</sub>                                                                 | 30 V |

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### Approvals

cULus Listed 