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Flush-type connector - SACC-E-M 8FS-4CON-M8/0,5 - 1500363

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Sensor/actuator flush-type socket, 4-pos., M8, front/screw mounting, with M8 thread, with 0.5 m TPE litz wire, 4 x 0.25 mm²

Key Commercial Data

| | |
|--------------|---------------------|
| Packing unit | 1 STK |
| GTIN | 4 017918 589073 |
| Sales Key | 02 |

Technical data

Dimensions

| | |
|-----------------|-------|
| Length of cable | 0.5 m |
|-----------------|-------|

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) |
| Degree of protection | IP67 |

General

| | |
|-----------------------|------------------------------|
| Rated current at 40°C | 4 A |
| Rated voltage | 50 V AC |
| | 60 V DC |
| Rated surge voltage | 0.8 kV |
| Number of positions | 4 |
| Insulation resistance | ≥ 100 MΩ |
| Coding | A - standard |
| Standards/regulations | M8 connector IEC 61076-2-104 |
| Status display | No |
| Overvoltage category | II |
| Degree of pollution | 3 |
| Connection method | Individual wires |
| Torque | 0.5 Nm ... 0.6 Nm |
| Mounting type | Front mounting M8 x 0.5 |

Material

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Technical data

Material

| | |
|--|---------------------|
| Flammability rating according to UL 94 | HB |
| Contact material | CuSn |
| Contact surface material | Au |
| Contact carrier material | PA 66 |
| Material, knurls | Nickel-plated brass |
| Sealing material | FKM |

Cable

| | |
|------------------------------------|--|
| Cable type | PVC litz wire |
| Conductor cross section | 0.25 mm ² |
| AWG signal line | 24 |
| Conductor structure signal line | 7x 0.20 mm |
| Core diameter including insulation | 1.5 mm ±0.1 mm |
| Thickness, insulation | 0.21 mm |
| Wire colors | brown, white, blue, black |
| Material conductor insulation | PVC/UL |
| Conductor material | Tin-plated Cu litz wires |
| Insulation resistance | ≥ 20 MΩ*km |
| Conductor resistance | ≥ 80 Ω/km |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 2000 V AC |
| Ambient temperature (operation) | -40 °C ... 105 °C (cable, fixed installation) |
| | -10 °C ... 105 °C (cable, flexible installation) |

Standards and Regulations

| | |
|--|-----------------|
| Standard designation | M8 connector |
| Standards/regulations | IEC 61076-2-104 |
| Connection in acc. with standard | CUL |
| Flammability rating according to UL 94 | HB |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 7.0 | 27440103 |
| eCl@ss 8.0 | 27440103 |

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001297 |
| ETIM 3.0 | EC002061 |
| ETIM 4.0 | EC002062 |
| ETIM 5.0 | EC002061 |

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

| | |
|--------------------|-------|
| UL Recognized | |
| Nominal current IN | 4 A |
| Nominal voltage UN | 125 V |

| | |
|--------------------|-------|
| cUL Recognized | |
| Nominal current IN | 4 A |
| Nominal voltage UN | 125 V |

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Approvals

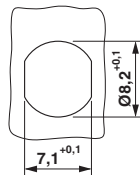
EAC

EAC

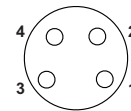
cULus Recognized

Drawings

Dimensional drawing

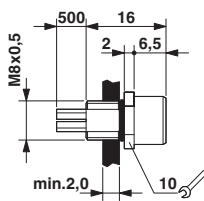


Schematic diagram

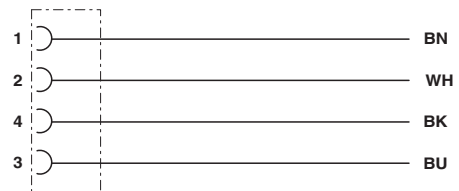


Pin assignment M8 socket, 4-pos., view female side

Dimensional drawing



Circuit diagram



M8 flush-type socket

Contact assignment of M8 plugs/sockets

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