

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Connectors - SACC-M 8FS-3QO-0,5-M - 1441066

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Sensor/actuator connector, female connector, straight, 3-pos., M8, QUICKON-ONE, metal knurl, maximum cable diameter of 5.0 mm

Key commercial data

| | |
|------------------------|--|
| Packing unit | 0 |
| Minimum order quantity | 1 |
| Catalog page | Page 68 (PC-2011) |
| GTIN |  4 046356 515955 |
| Custom tariff number | 85366990 |
| Country of origin | GERMANY |

Technical data

General data

| | |
|---------------------------------|--|
| Rated current at 40°C | 4 A |
| Rated voltage | 60 V |
| Number of positions | 3 |
| Volume resistance | ≤ 5 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Ambient temperature (operation) | -25 °C ... 80 °C (Male connector / female connector) |

General characteristics

| | |
|--------------------------|------------------------------|
| Standards/regulations | M8 connector IEC 61076-2-104 |
| Coding | A - standard |
| Surge voltage category | II |
| Pollution degree | 3 |
| Degree of protection | IP65/67 |
| Torque | 0.6 Nm (Pressure nut) |
| Torque | 0.2 Nm (M8 knurl) |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | TPU GF |
| Material of grip body | PA 6 |
| Material, knurls | Zinc die-cast, nickel-plated |

Connectors - SACC-M 8FS-3QO-0,5-M - 1441066

Technical data

General characteristics

| | |
|---|--|
| Sealing material | NBR |
| Connection method | Insulation displacement connection |
| Conductor cross section | 0.25 mm ² ... 0.5 mm ² |
| AWG conductor cross section | 24 ... 20 |
| Wire diameter including insulation | 0.75 mm ... 1.5 mm ±0.05 mm |
| Frequency of connections between conductors of the same cross section | 10 |
| External cable diameter | 2.5 mm ... 5 mm ± 0.2 mm |
| Wire insulation material | PVC/PE/PP |
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | Class 2-6 |
| Status display | No |
| Stripping length of the sheath | 40 mm |

Classifications

eclass

| | |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27279221 |
| eCl@ss 7.0 | 27440104 |

etim

| | |
|----------|----------|
| ETIM 2.0 | EC001121 |
| ETIM 3.0 | EC002062 |
| ETIM 4.0 | EC002062 |

unspsc

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211824 |
| UNSPSC 7.0901 | 39121413 |
| UNSPSC 11 | 39121413 |
| UNSPSC 12.01 | 39121413 |
| UNSPSC 13.2 | 39121413 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Connectors - SACC-M 8FS-3QO-0,5-M - 1441066

Approvals

Ex Approvals

Approvals submitted

Approval details

| UL Recognized  | |
|---|-------|
| mm ² /AWG/kcmil | 24-20 |
| Nominal current IN | 4 A |
| Nominal voltage UN | 29 V |

| cUL Recognized  | |
|--|-------|
| mm ² /AWG/kcmil | 24-20 |
| Nominal current IN | 4 A |
| Nominal voltage UN | 29 V |

| GOST  | |
|--|---|
| cULus Recognized  |  |

| cULus Recognized   | |
|--|--|
| | |

Accessories

Accessories

Cable/conductor

Sensor/Actuator cable - SAC-3P-100,0-PUR/0,25 - 1501689



Cable ring, PUR halogen-free black, 3-pos., conductor colors: Brown/blue/black, cable length: 100 m

Connectors - SACC-M 8FS-3QO-0,5-M - 1441066

Accessories

Cable ring - SAC-3P-100,0-PUR/0,34 - 1501650



Cable ring, PUR halogen-free black, 3-pos., conductor colors: Brown/blue/black, cable length: 100 m

Protection and sealing elements

Screw plug - PROT-M 8 MS-PA-CHAIN - 1430860



M8 sealing cap made of plastic with fixing band for sensor cables, for M8 sockets

Tools

Torque screwdriver - TSD 02 SAC - 1208487



Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

Tool - SAC BIT M8-D10 - 1208461



Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

Connectors - SACC-M 8FS-3QO-0,5-M - 1441066

Accessories

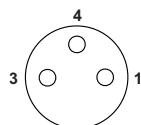
Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

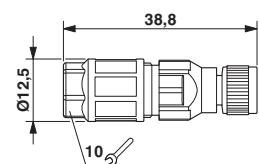
Drawings

Schematic diagram



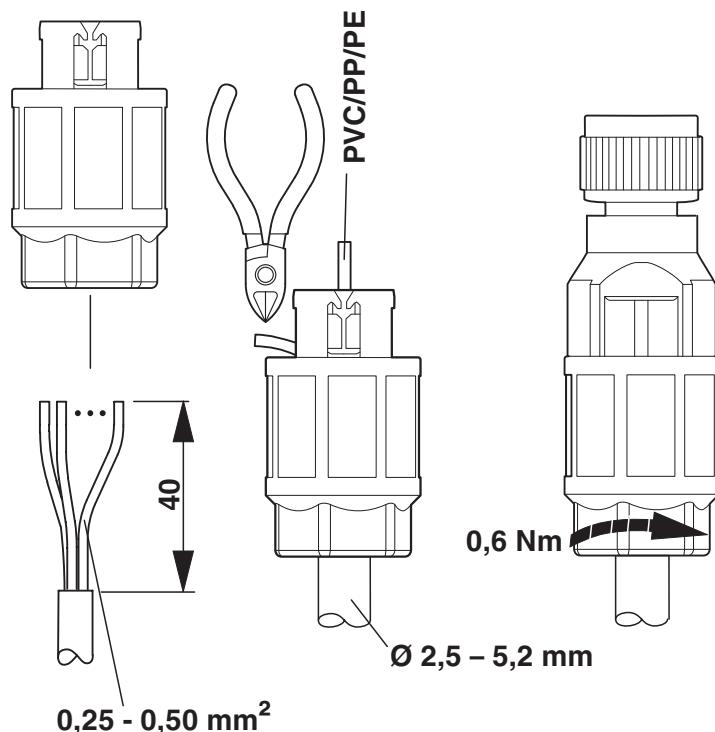
Pin assignment of M8 female connector, 3-pos., view of pin side

Dimensioned drawing



Socket M8 x 1, straight

Functional drawing



© Phoenix Contact 2012 - all rights reserved
<http://www.phoenixcontact.com>