



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

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**General ordering data**

|                  |  |
|------------------|--|
| Order No.        | 1701250000   |
| Part designation | SAI-8-M 5P M12   |
| Version          | Sensor-actuator passive distributor, M12, Hood version, LED: Yes |
| EAN              | 4008190949761  |
| Qty.             | 1 pc(s).   |

**Dimensions**

|        |        |
|--------|--------|
| Length | 152 mm |
|--------|--------|

**Technical data**

|   |                                 |
|---|---------------------------------|
| Ambient temperature, max.               | 90 °C                           |
| Ambient temperature, min.               | -20 °C                          |
| Behaviour in fire                       | V-0                             |
| Bus system                              | without                         |
| Cable gland                             | M 20                            |
| Clamping range, max.                    | 1.5 mm <sup>2</sup>             |
| Clamping range, min.                    | 0.08 mm <sup>2</sup>            |
| Conductor O.D., max.                    | 12 mm                           |
| Conductor O.D., min.                    | 6 mm                            |
| Connection type PE                      | Screw connection                |
| Contact carrier material                | PBT UL 94 V0                    |
| Contact material                        | CuZn, pre-nickeled, gold-plated |
| Contact surface                         | tinned                          |
| Contact tube O-ring material            | Viton                           |
| Contact tube diameter                   | M12                             |
| Current per signal                      | 2 A                             |
| Electrical isolation available          | Yes                             |
| Hood sealing material                   | Viton                           |
| Housing colour                          | grey, RAL 7032                  |
| Housing material                        | Pocan                           |
| Insulation resistance                   | 1 MΩ                            |
| LED colour for I/O function             | yellow                          |
| LED colour for indicating operation     | green                           |
| LED initiator                           | Yes                             |
| Number of contact sockets               | 8                               |
| Ordering data, title                    | SAI-4/6/8-M                     |
| Plugging cycles                         | < = 50                          |
| Pollution severity                      | 3                               |
| Protection class                        | IP 68                           |
| Rated voltage                           | 32 V DC                         |
| Sheathing stripping length              | 100 mm                          |
| Smallest strand diameter                | 0 mm                            |
| Test voltage                            | 1 kVeff                         |
| Threaded sockets                        | CuZn, nickel-plated             |
| Total current                           | 10 A                            |
| Wiring diagram                          |                                 |
| max. current-carrying capacity per slot | 3 A                             |
| max. voltage                            | 30 V DC                         |
| min. voltage                            | 10 V                            |
| No. of poles                            | 5                               |

#### Technical data

Version complete module

#### Approvals

Approvals institutes



#### Classifications

|            |          |
|------------|----------|
| ETIM 2.0   | NK       |
| ETIM 3.0   | EC001856 |
| eClass 4.1 | NK       |
| eClass 5.0 | NK       |
| eClass 5.1 | NK       |

#### Similar products

| Order No.  | Part designation        | Version  |
|------------|-------------------------|--|
| 1701230000 | SAI-4-M 5P M12          | Sensor-actuator passive distributor, M12, Hood version, LED: Yes |
| 1800000000 | SAI-4-M 5P M12 OL       | Sensor-actuator passive distributor, M12, Hood version, LED: No  |
| 1701231000 | SAI-4-M 5P M12 UT       | Sensor-actuator passive distributor, M12, Hood version, LED: Yes |
| 1782680000 | SAI-4/6/8-MH 5P PUR 10M | Sensor-actuator passive distributor, M12, Hood version, LED: No  |
| 1752080050 | SAI-4/6/8-MH BLZF3.5 SV | Sensor-actuator passive distributor, M12, Hood version           |
| 1701240000 | SAI-6-M 5P M12          | Sensor-actuator passive distributor, M12, Hood version, LED: Yes |
| 1701241000 | SAI-6-M 5P M12 UT       | Sensor-actuator passive distributor, M12, Hood version, LED: Yes |
| 1781060000 | SAI-8-M 5P M12 NPN      | Sensor-actuator passive distributor, M12, Hood version, LED: Yes |
| 1740190000 | SAI-8-M 5P M12 OL       | Sensor-actuator passive distributor, M12, Hood version, LED: No  |
| 1740191000 | SAI-8-M 5P M12 OL UT    | Sensor-actuator passive distributor, M12, Hood version, LED: No  |
| 1816610000 | SAI-8-M 5P M12 OL2      | Sensor-actuator passive distributor, M12, Hood version, LED: No  |
| 1701251000 | SAI-8-M 5P M12 UT       | Sensor-actuator passive distributor, M12, Hood version, LED: Yes |
| 1767880000 | SAI-8-M 5P M12 ZF III   | Sensor-actuator passive distributor, M12, Hood version, LED: Yes |