



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



**General ordering data**

Order No.	1701241000
Part designation	SAI-6-M 5P M12 UT
Version	Sensor-actuator passive distributor, M12, Hood version, LED: Yes
EAN	4032248003129
Qty.	2 pc(s).

**Dimensions**

Length	127 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
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	6
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
Version	Base

### Technical data

### 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
1701250000	SAI-8-M 5P M12	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