

**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
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**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