



#### General ordering data

Order No.	1766790000
Part designation	SAI-6-M 4P IDC
Version	Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes
EAN	4032248107322
Qty.	1 pc(s).

#### Dimensions

Length	127 mm
Height	41.5 mm
Width	60 mm

#### Technical data

Ambient temperature, max.	90 °C
Ambient temperature, min.	-20 °C
Behaviour in fire	V-0
Bus system	without
Clamping range, max.	1.5 mm <sup>2</sup>
Clamping range, min.	0.08 mm <sup>2</sup>
Connection type PE	Screw connection
Contact carrier material	PBT UL 94 V0
Contact surface	tinned
Contact tube O-ring material	Viton
Contact tube diameter	M12
Core O.D., max.	1.6 mm
Core O.D., min.	1.2 mm
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

**Technical data**

LED initiator	Yes
Number of contact sockets	6
Ordering data, title	SAI-4/6/8-M IDC
Pollution severity	2
Protection class	IP 67
Rated voltage	32 V DC
Test voltage	1 kVeff
Threaded sockets	CuZn, nickel-plated
Total current	10 A
Wiring diagram	
max. connection of equal cross-section	10
max. current-carrying capacity per slot	3 A
max. voltage	30 V DC
min. voltage	10 V
No. of poles	4
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
1766780000	SAI-4-M 4P IDC	Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes
1766781000	SAI-4-M 4P IDC UT	Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes
1766791000	SAI-6-M 4P IDC UT	Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes
1766800000	SAI-8-M 4P IDC	Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes
1804540000	SAI-8-M 4P IDC PE	Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes
1766801000	SAI-8-M 4P IDC UT	Sensor-actuator passive distributor IDC, M12, Hood version, LED: Yes