



#### General ordering data

Order No.	8516980208
Part designation	SAI HP DP 8DI/8DO
Version	Sensor-actuator active distributor, Profibus, Complete module with plug-on hood
EAN	4032248157662
Qty.	1 pc(s).

#### Technical data of bus system

Baud rate	automatic
Bus user	Slave
Diagnosis indication	red
Fieldbus interface	RS 485
Station addresses	Rotary switch 1-99
Transmission rate	Max. 12 Mbps

#### Dimensions

Height	105 mm
Width	60 mm

#### Technical data

Behaviour in fire	V-0
Bus line connection via <input type="checkbox"/>	M 12 plug
Bus system	Profibus
Connection type PE	Screw connection
Digital inputs	8
Digital outputs	8
Electrical isolation available	Yes
Housing material	Pocan
Operating temperature, max.	55 °C
Operating temperature, min.	0 °C
Ordering data, title	SAI-HP DP
Pollution severity	3
Power line connection via <input type="checkbox"/>	M 23 plug
Protection class	IP 67 (IP 68)

#### Technical data

Rated voltage	24 V DC (20.4...28.8 V)
Storage temperature, max.	70 °C
Storage temperature, min.	-25 °C
Total current	2 x 8 A
Transmission rate	Max. 12 Mbps
Version	made to order

#### Technical data, snap-on modules

(Indication via) UL	LED green (UL)
Conductor cross-section, max.	2.5 mm <sup>2</sup> / AWG 12
Diameter of bus line, max.	9 mm
Diameter of bus line, min.	5.5 mm
Diameter of supply line, max.	12 mm
Diameter of supply line, min.	6 mm
Digital input type	TYPE 1 to EN 61131-2
E/A function indicator	LED red/green (Uq)
Input current at "0" min.	< 1.5 mA
Input current at "1"	> 2 mA
Insulation material of housing	PBT
Output level	Short-circuit-protected
Sensor voltage indicator	LED red/green (Ui)
Switching thresholds	9 V
max. current-carrying capacity per output signal	2 A (derating)

#### Approvals

Approvals institutes



#### Classifications

ETIM 2.0	EC001430
ETIM 3.0	EC001599
eClass 4.1	27-25-04-03
eClass 5.0	27-25-04-03
eClass 5.1	27-25-04-03

#### Similar products

Order No.	Part designation	Version
8516980176	SAI HP DP 8DI	Sensor-actuator active distributor, Profibus, Complete module with plug-on hood
8516980178	SAI HP DP 8DO	Sensor-actuator active distributor, Profibus, Complete module with plug-on hood
8516980179	SAI HP DP 8DI/4DO	Sensor-actuator active distributor, Profibus, Complete module with plug-on hood
8516980177	SAI HP DP 16DI	Sensor-actuator active distributor, Profibus, Complete module with plug-on hood