

## Excellent Integrated System Limited

Stocking Distributor

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[Weidmüller](#)  
[8516980211](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



#### General ordering data

Order No.	8516980211
Part designation	SAI HS DP 8DI/8DO
Version	Sensor-actuator active distributor, Profibus, Complete module with plug-on hood
EAN	4032248176311
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	65 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	Plug-in connection
Digital inputs	8
Digital outputs	8
Electrical isolation available	Yes
Housing material	Pocan
Number of contact sockets	3
Operating temperature, max.	55 °C
Operating temperature, min.	0 °C
Ordering data, title	SAI-HS DP
Pollution severity	3
Power line connection via <input type="checkbox"/>	M 23 plug

#### Technical data

Protection class	IP 67 (IP 68)
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	round pin

#### 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
8516980181	SAI HS DP 16DI	Sensor-actuator active distributor, Profibus, Complete module with plug-on hood
1889760000	SAI HS DP 8DI/8DO VA	Sensor-actuator active distributor, Profibus, Complete module
8516980182	SAI HS DP 8DO	Sensor-actuator active distributor, Profibus, Complete module with plug-on hood
8516980180	SAI HS DP 8DI	Sensor-actuator active distributor, Profibus, Complete module with plug-on hood