

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Weidmüller](#)  
[8516980182](#)

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


**General ordering data**

|                  |  |
|------------------|--|
| Order No.        | 8516980182   |
| Part designation | SAI HS DP 8DO  |
| Version          | Sensor-actuator active distributor, Profibus,<br>Complete module with plug-on hood |
| EAN              | 4032248176304  |
| 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 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          |
| 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                   | 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   |
|------------|----------------------|---|
| 8516980180 | SAI HS DP 8DI        | Sensor-actuator active distributor, Profibus, Complete module with plug-on hood |
| 8516980181 | SAI HS DP 16DI       | Sensor-actuator active distributor, Profibus, Complete module with plug-on hood |
| 8516980211 | SAI HS DP 8DI/8DO    | 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                   |