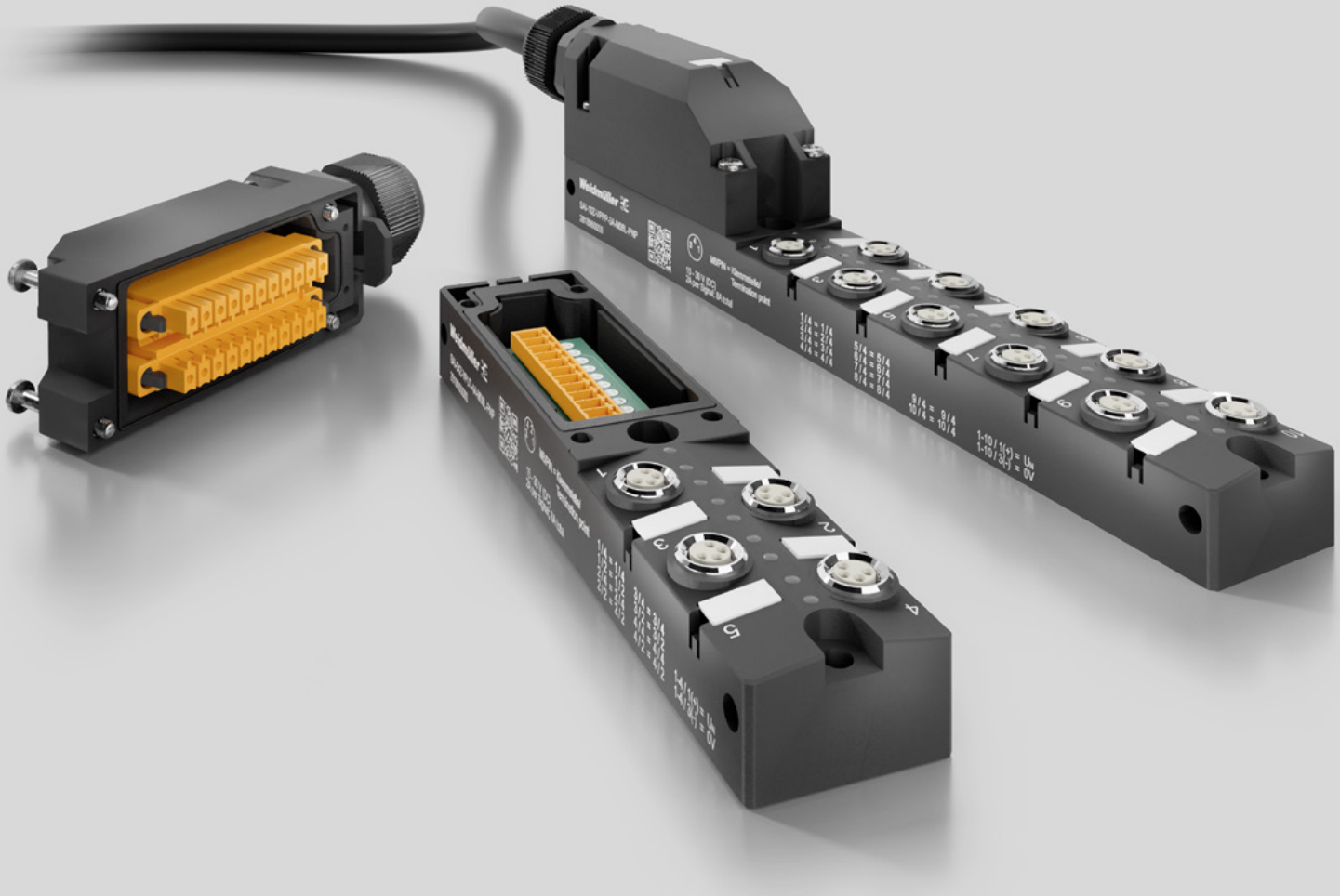
Passive distributors

Wire devices in the field efficiently in the smallest of spaces

M8 hood distribution boxes with PUSH IN connection



Weidmüller

Wire devices in the field efficiently in the smallest of spaces

M8 hood distribution boxes with PUSH IN connection

In the course of advancing automation, an increasing number of sensors and actuators have to be wired in the field. Passive distribution boxes bundle the signals, minimize the wiring effort and speed up the work.

The new M8 hood distribution boxes are extremely compact and offer a user-friendly PUSH IN connection. This enables particularly fast, safe, and efficient cabling in the field. We provide you with a modular system for our hood distribution boxes. In addition to complete distribution boxes, you will also find assembled hoods, empty hoods, and base parts. Due to the broad product portfolio, a suitable solution is available for every application.

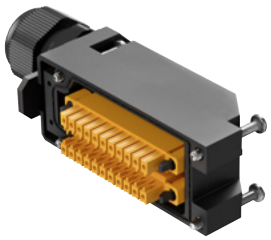
Technical specifications M8 Hood Distributor Boxes



- M8 I/O ports 3 and 4-pin
- IP 67 degree of protection
- UL approval
- Modular design with complete distribution boxes, base parts, and hoods



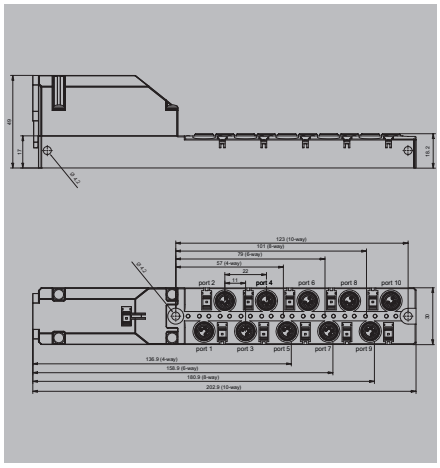
- Various designs available
- 4, 6, 8 or 10 I/O ports
- Individual identification of the distribution boxes and I/O ports using markers



- Up to 22 PUSH IN contacts for signals and power supply
- Raw cable recommendation: 2x 0.75 mm² for the power supply and Xx 0.34 mm² for the signals, dependent on the plug-in stations and number of pins
- Alternatively, pre-assembled hoods are available for each variation with drag chain capable cable

Hood version with PUSH IN connection

- PNP switched
- Hood with plastic cable gland







Ordering data

Complete distribution boxes	
with LEDs	4 plug-in stations
with LEDs	6 plug-in stations
with LEDs	8 plug-in stations
with LEDs	10 plug-in stations
Base parts	
with LEDs	4 plug-in stations
with LEDs	6 plug-in stations
with LEDs	8 plug-in stations
with LEDs	10 plug-in stations
Hood with pre-assembled cable	
5.0 m, PUR	4 plug-in stations
5.0 m, PUR	6 plug-in stations
5.0 m, PUR	8 plug-in stations
5.0 m, PUR	10 plug-in stations
10.0 m, PUR	4 plug-in stations
10.0 m, PUR	6 plug-in stations
10.0 m, PUR	8 plug-in stations
10.0 m, PUR	10 plug-in stations
Empty hoods	
	PUSH IN connection
Note	

SAI-04/06/08/10Z — 3-poles

Type	Qty.	Order No.
SAI-04Z-VPPP-3A-M08L-PNP	1	2818930000
SAI-06Z-VPPP-3A-M08L-PNP	1	2818940000
SAI-08Z-VPPP-3A-M08L-PNP	1	2818950000
SAI-10Z-VPPP-3A-M08L-PNP	1	2818960000
SAI-04Z-VPUT-3A-M08L-PNP	1	2819010000
SAI-06Z-VPUT-3A-M08L-PNP	1	2819020000
SAI-08Z-VPUT-3A-M08L-PNP	1	2819030000
SAI-10Z-VPUT-3A-M08L-PNP	1	2819040000
SAI-04Z-MXPP-3A-M08L-PNP-05U01	1	2819090000
SAI-06Z-MXPP-3A-M08L-PNP-05U02	1	2819100000
SAI-08Z-MXPP-3A-M08L-PNP-05U03	1	2819110000
SAI-10Z-MXPP-3A-M08L-PNP-05U04	1	2819120000
SAI-04Z-MXPP-3A-M08L-PNP-10U01	1	2819130000
SAI-06Z-MXPP-3A-M08L-PNP-10U02	1	2819140000
SAI-08Z-MXPP-3A-M08L-PNP-10U03	1	2819150000
SAI-10Z-MXPP-3A-M08L-PNP-10U04	1	2819160000
SAI-XXZ-MXPP-3X-M08X-XXX	1	2863240000

Plastic cable gland is included in delivery.
Optional protective cap: 1802760000 - SAI-SK M8

SAI-04/06/08/10Z — 4-poles

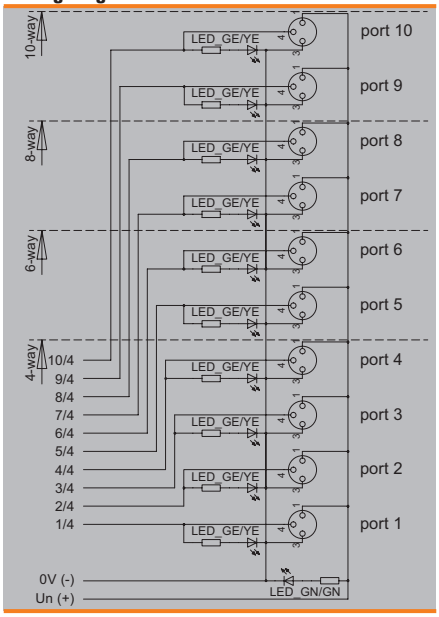
Type	Qty.	Order No.
SAI-04Z-VPPP-4A-M08L-PNP	1	2819970000
SAI-06Z-VPPP-4A-M08L-PNP	1	2819980000
SAI-08Z-VPPP-4A-M08L-PNP	1	2819990000
SAI-10Z-VPPP-4A-M08L-PNP	1	2819000000
SAI-04Z-VPUT-4A-M08L-PNP	1	2819050000
SAI-06Z-VPUT-4A-M08L-PNP	1	2819060000
SAI-08Z-VPUT-4A-M08L-PNP	1	2819070000
SAI-10Z-VPUT-4A-M08L-PNP	1	2819080000
SAI-04Z-MXPP-4A-M08L-PNP-05U03	1	2819170000
SAI-06Z-MXPP-4A-M08L-PNP-05U05	1	2819180000
SAI-08Z-MXPP-4A-M08L-PNP-05U06	1	2819190000
SAI-10Z-MXPP-4A-M08L-PNP-05U07	1	2819200000
SAI-04Z-MXPP-4A-M08L-PNP-10U03	1	2819210000
SAI-06Z-MXPP-4A-M08L-PNP-10U05	1	2819220000
SAI-08Z-MXPP-4A-M08L-PNP-10U06	1	2819230000
SAI-10Z-MXPP-4A-M08L-PNP-10U07	1	2819240000
SAI-XXZ-MXPP-4X-M08X-XXX	1	2819250000

Plastic cable gland is included in delivery.
Optional protective cap: 1802760000 - SAI-SK M8

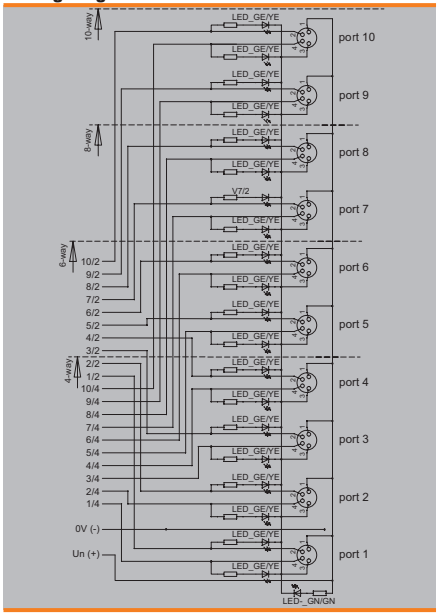
Technical data

Operating voltage	15...30 V
Current per Signal	2 A
Max. current-carrying capacity per plug-in station	4 A
Total current	6 A
Pollution severity	3
Degree of protection	IP67 when screwed in
Ambient temperature range	-25...80 °C
Housing base material	PBT
Contact carrier material	PBT (UL 94 V0)
Base material of contacts	CuZn
Screw socket	CuZn, nickel-plated
Housing colour	black (similar to RAL 9005)
Clamping range of hood version	0.08 – 1.5 mm²
Tightening torque	3.25 Nm
Exterior cable diameter min. / max.	6 mm / 12 mm

Wiring diagram



Wiring diagram



Weidmüller – Your Partner in Industrial Connectivity

As a market leader we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signal and data. We are at home in their industries and markets and know the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together we set standards in Industrial Connectivity.

We cannot guarantee that there are no mistakes in the publications or software provided by us to the customer for the purpose of making orders. We try our best to quickly correct errors in our printed media.

All orders are based on our general terms of delivery, which can be reviewed on the websites of our group companies where you place your order. On demand we can also send the general terms of delivery to you.

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