//STANDARD SENSORS, CYLINDRICAL HOUSING

ROBUST SENSORS IN CYLINDRICAL DESIGN

The reliable detection of metal objects in a robust metal housing is the versatile area of application of these sensors. In addition to the design, the range Sn is an important selection criterion. Various switching outputs and connection options are available to suit a wide range of applications.

/// IS 208

With a diameter of just 8 mm, this small standard sensor can be custom-integrated in applications.
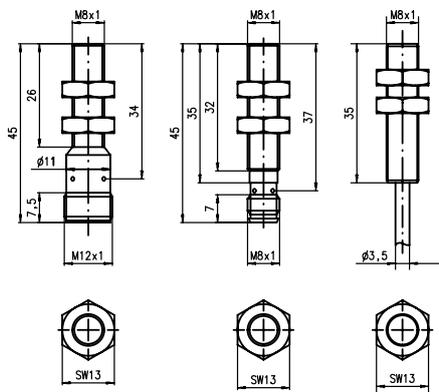
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Benefits:

- Large ranges allow you to choose a smaller construction and thus save space and costs for the mechanical machine parts
- The sensor can be mounted at a greater distance from moving parts. This helps to avoid damage and ensures the machine availability
- The high sensitivity of the sensors makes them the inexpensive solution for special applications, e.g. for close-range detection of small parts
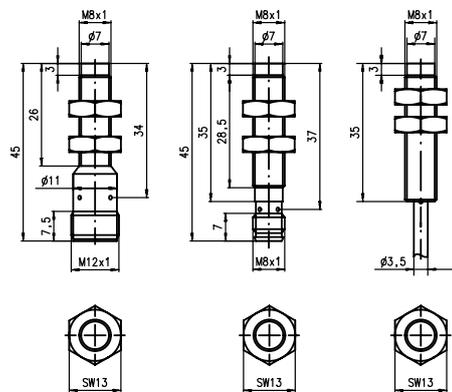
Part no.	Part description	Operating range Sa Typ. operating range limit Sn	Switching frequency	Type of installation	Switching output 1	Description	Connection	Material
50109660	IS 208MM/4NC-4N0-S8.3	0…3.2 mm 4 mm	3,500 Hz	Non-embedded	Transistor, PNP, break-contact (NC)	DC	Connector, M8, 3-pin	Stainless steel
50129349	IS 208MM/4NC-4N0	0…3.2 mm 4 mm	3,500 Hz	Non-embedded	Transistor, PNP, break-contact (NC)	DC	Cable, 2,000 mm, 3-wire	Stainless steel
50109659	IS 208MM/4N0-4N0-S8.3	0…3.2 mm 4 mm	3,500 Hz	Non-embedded	Transistor, PNP, make-contact (NO)	DC	Connector, M8, 3-pin	Stainless steel
50109658	IS 208MM/4N0-4N0	0…3.2 mm 4 mm	3,500 Hz	Non-embedded	Transistor, PNP, make-contact (NO)	DC	Cable, 2,000 mm, 3-wire	Stainless steel
50109663	IS 208MM/2NC-4N0-S8.3	0…3.2 mm 4 mm	3,500 Hz	Non-embedded	Transistor, NPN, break-contact (NC)	DC	Connector, M8, 3-pin	Stainless steel
50109662	IS 208MM/2N0-4N0-S8.3	0…3.2 mm 4 mm	3,500 Hz	Non-embedded	Transistor, NPN, make-contact (NO)	DC	Connector, M8, 3-pin	Stainless steel
50109661	IS 208MM/2N0-4N0	0…3.2 mm 4 mm	3,500 Hz	Non-embedded	Transistor, NPN, make-contact (NO)	DC	Cable, 2,000 mm, 3-wire	Stainless steel
50129347	IS 208MM/4NC-2N5-S8.3	0…2 mm 2.5 mm	5,000 Hz	Non-embedded	Transistor, PNP, break-contact (NC)	DC	Connector, M8, 3-pin	Stainless steel
50109647	IS 208MM/4N0-2N5-S12	0…2 mm 2.5 mm	5,000 Hz	Non-embedded	Transistor, PNP, make-contact (NO)	DC	Connector, M12, 4-pin	Stainless steel
50109646	IS 208MM/4N0-2N5-S8.3	0…2 mm 2.5 mm	5,000 Hz	Non-embedded	Transistor, PNP, make-contact (NO)	DC	Connector, M8, 3-pin	Stainless steel
50114490	ISS 208MM/4N0-2N5-S8.3	0…2 mm 2.5 mm	5,000 Hz	Non-embedded	Transistor, PNP, make-contact (NO)	DC	Connector, M8, 3-pin	Stainless steel
50109645	IS 208MM/4N0-2N5	0…2 mm 2.5 mm	5,000 Hz	Non-embedded	Transistor, PNP, make-contact (NO)	DC	Cable, 2,000 mm, 3-wire	Stainless steel
50109649	IS 208MM/2N0-2N5	0…2 mm 2.5 mm	5,000 Hz	Non-embedded	Transistor, NPN, make-contact (NO)	DC	Cable, 2,000 mm, 3-wire	Stainless steel
50109654	IS 208MM/4NC-2E0-S8.3	0…1.6 mm 2 mm	5,000 Hz	Embedded	Transistor, PNP, break-contact (NC)	DC	Connector, M8, 3-pin	Stainless steel
50126968	ISS 208MM/4NC-2E0-S8.3	0…1.6 mm 2 mm	5,000 Hz	Embedded	Transistor, PNP, break-contact (NC)	DC	Connector, M8, 3-pin	Stainless steel
50113211	IS 208MM/4NC-2E0	0…1.6 mm 2 mm	5,000 Hz	Embedded	Transistor, PNP, break-contact (NC)	DC	Cable, 2,000 mm, 3-wire	Stainless steel
50109653	IS 208MM/4N0-2E0-S8.3	0…1.6 mm 2 mm	5,000 Hz	Embedded	Transistor, PNP, make-contact (NO)	DC	Connector, M8, 3-pin	Stainless steel
50117201	ISS 208MM/4N0-2E0-S8.3	0…1.6 mm 2 mm	5,000 Hz	Embedded	Transistor, PNP, make-contact (NO)	DC	Connector, M8, 3-pin	Stainless steel
50114051	IS 208MM/4N0-2E0,200-S8.3	0…1.6 mm 2 mm	5,000 Hz	Embedded	Transistor, PNP, make-contact (NO)	DC	Cable with connector, 200 mm, M8, 3-pin	Stainless steel
50118369	ISS 208MM/4N0-2E0,200-S8.3	0…1.6 mm 2 mm	5,000 Hz	Embedded	Transistor, PNP, make-contact (NO)	DC	Cable with connector, 200 mm, M8, 3-pin	Stainless steel
50109652	IS 208MM/4N0-2E0	0…1.6 mm 2 mm	5,000 Hz	Embedded	Transistor, PNP, make-contact (NO)	DC	Cable, 2,000 mm, 3-wire	Stainless steel
50129348	IS 208MM/2NC-2E0	0…1.6 mm 2 mm	5,000 Hz	Embedded	Transistor, NPN, break-contact (NC)	DC	Cable, 2,000 mm, 3-wire	Stainless steel
50109656	IS 208MM/2N0-2E0-S8.3	0…1.6 mm 2 mm	5,000 Hz	Embedded	Transistor, NPN, make-contact (NO)	DC	Connector, M8, 3-pin	Stainless steel

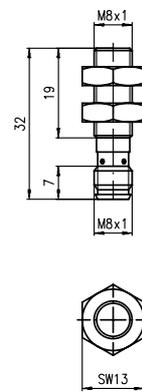| Part no.	Part description	Operating range Sa Typ. operating range limit Sn	Switching frequency	Type of installation	Switching output 1	Description	Connection	Material
50109655	IS 208MM/2NO-2E0	0 … 1.6 mm 2 mm	5,000 Hz	Embedded	Transistor, NPN, make-contact (NO)	DC	Cable, 2,000 mm, 3-wire	Stainless steel
50129346	IS 208MM/4NC-1E5-S12	0 … 1.2 mm 1.5 mm	5,000 Hz	Embedded	Transistor, PNP, break-contact (NC)	DC	Connector, M12, 4-pin	Stainless steel
50129345	IS 208MM/4NC-1E5-S8.3	0 … 1.2 mm 1.5 mm	5,000 Hz	Embedded	Transistor, PNP, break-contact (NC)	DC	Connector, M8, 3-pin	Stainless steel
50112444	IS 208MM/4NC-1E5	0 … 1.2 mm 1.5 mm	5,000 Hz	Embedded	Transistor, PNP, break-contact (NC)	DC	Cable, 2,000 mm, 3-wire	Stainless steel
50109641	IS 208MM/4NO-1E5-S12	0 … 1.2 mm 1.5 mm	5,000 Hz	Embedded	Transistor, PNP, make-contact (NO)	DC	Connector, M12, 4-pin	Stainless steel
50109640	IS 208MM/4NO-1E5-S8.3	0 … 1.2 mm 1.5 mm	5,000 Hz	Embedded	Transistor, PNP, make-contact (NO)	DC	Connector, M8, 3-pin	Stainless steel
50122455	IS 208MM/4NO-1E5,5000	0 … 1.2 mm 1.5 mm	5,000 Hz	Embedded	Transistor, PNP, make-contact (NO)	DC	Cable, 5,000 mm, 3-wire	Stainless steel
50109639	IS 208MM/4NO-1E5	0 … 1.2 mm 1.5 mm	5,000 Hz	Embedded	Transistor, PNP, make-contact (NO)	DC	Cable, 2,000 mm, 3-wire	Stainless steel
50113207	IS 208MM/2NC-1E5	0 … 1.2 mm 1.5 mm	5,000 Hz	Embedded	Transistor, NPN, break-contact (NC)	DC	Cable, 2,000 mm, 3-wire	Stainless steel
50109642	IS 208MM/2NO-1E5	0 … 1.2 mm 1.5 mm	5,000 Hz	Embedded	Transistor, NPN, make-contact (NO)	DC	Cable, 2,000 mm, 3-wire	Stainless steel

Dimensioned drawings: IS 208

IS 208 … E … series

IS 208 … N … series

ISS 208 … E … series