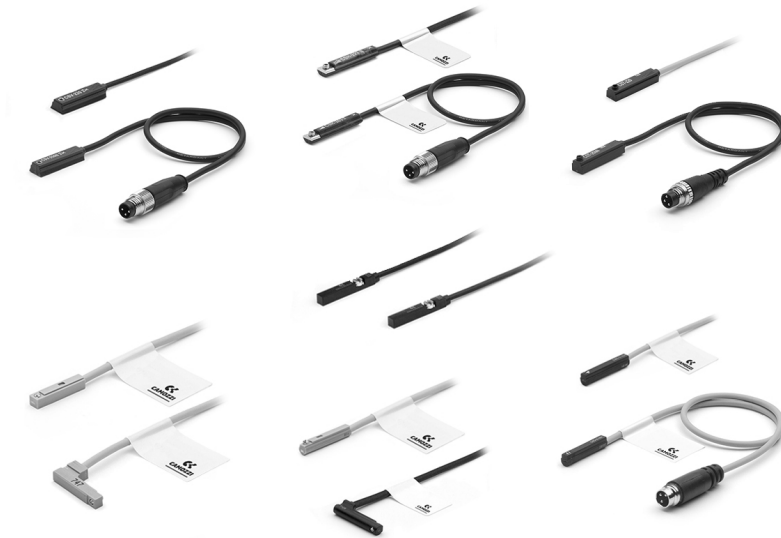


Series CST-CSV-CSH, CSB-CSC-CSD, CSG magnetic proximity switches

New models

Reed

Magnetoresistive - Hall effect (Series CST, CSV, CSH only)



- » Series CST, CSV, CSH, CSG switches: integrated in the actuator profile, with or without M8 connector
- » Series CSB switches: for grippers CGA, CGP
- » Series CSC switches: for grippers CGLN
- » Series CSD switches: for grippers CGSN, CGPT, CGPS, RPGB
- » Series CSG switches: ATEX and UL certified

The magnetic proximity switches define the position of the piston in cylinders or grippers. When the internal contact is actuated by a magnetic field, the sensors complete an electrical circuit and provide an output signal to actuate directly a solenoid valve or a PLC. A yellow or red LED diode shows when the internal magnetic contact is closed.

The switches are available in two different versions - Reed with mechanical switching and with electronic switching - and they are subdivided into Hall effect and Magnetoresistive. The electronic versions are suggested for heavy duty with frequent operations and strong vibrations.

SERIES CST, CSV, CSH GENERAL DATA

Operation	Reed contact Magnetoresistive Hall effect
Type of output	Static or electronic PNP
Type of contact in Reed switches	Normally Open (NO) Normally Closed (NC)
Voltage	see the characteristics of each model
Max current	see the characteristics of each model
Max load	8 W DC and 10 VA AC (Reed)
Protection class	IP67
Materials	plastic body encapsulating epoxy resin; cable in PVC, connector in PVR, connector body in PU
Mounting	directly into the groove or by means of adapters
Signalling	by means of a yellow diode Led
Protections	see the characteristics of each model
Switching time	<1,8 ms (Reed); <1 ms (Magnetoresistive - Hall effect)
Operating temperature	-10°C + 80°C
Electrical duration	10.000.000 cycles (Reed); 1.000.000.000 cycles (Magnetoresistive - Hall effect)
Electrical connections	with a 2-wire cable, section 2x0.14, 2m (standard), high flexibility; with a 3-wire cable, section 3x0.14, 2m (standard), high flexibility; with a M8 connector and cable of 0.3 m

SERIES CST, CSV, CSH CODING EXAMPLE

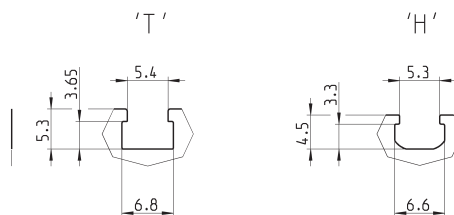
CS	T	-	2	2	0	N	-	5
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CS	SERIES
T	TYPE OF SLOT: T = T-slot V = V-slot H = H-slot
2	OPERATION: 2 = Reed NO 3 = Magnetoresistive 4 = Reed NC 5 = Hall effect
2	CONNECTIONS: 2 = 2 wires (Reed only) 3 = 3 wires 5 = 2 wires with M8 connector (Reed only) 6 = 3 wires with M8 connector
0	POWER SUPPLY VOLTAGE: 0 = 10 ÷ 110 V DC; 10 ÷ 230 V AC (PNP) 1 = 30 ÷ 110 V DC; 30 ÷ 230 V AC (PNP) 2 = 3 wires cst (PNP) 3 = 10 ÷ 30 V AC/DC (PNP) 4 = 10 ÷ 27 V DC (PNP)
N	NOTE (CST/CSV-250N only): N = according to norm
5	LENGTH OF THE CABLE: = 2m (CST and CSV only) 2 = 2m (CSH only) 5 = 5m

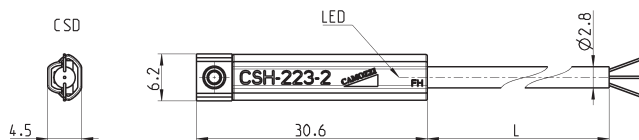
Magnetic proximity switches with 2- or 3-wire cable for H-slot



Note for 2-wire switches Mod. CSH-223-2, CSH-223-5, CSH-221-2, CSH-221-5:
in case of polarity reversing the sensor will still be operating, but the LED diode won't turn on.



Suitable also for T-slots

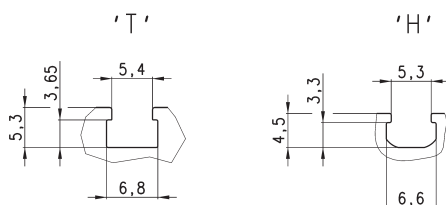


Mod.	Operation	Connection	Voltage	Output	Max current	Max load	Protection	L = cable length
CSH-223-2	Reed	2 wires	10 ÷ 30 V AC/DC	-	250 mA	10 VA / 8 W	Against polarity reversing	2 m
CSH-223-5	Reed	2 wires	10 ÷ 30 V AC/DC	-	250 mA	10 VA / 8 W	Against polarity reversing	5 m
CSH-221-2	Reed	2 wires	30 ÷ 230 V AC - 30 ÷ 110 V DC	-	250 mA	10 VA / 8 W	Against polarity reversing	2 m
CSH-221-5	Reed	2 wires	30 ÷ 230 V AC - 30 ÷ 110 V DC	-	250 mA	10 VA / 8 W	Against polarity reversing	5 m
CSH-233-2	Reed	3 wires	10 ÷ 30 V AC/DC	PNP	250 mA	10 VA / 8 W	Against polarity reversing	2 m
CSH-233-5	Reed	3 wires	10 ÷ 30 V AC/DC	PNP	250 mA	10 VA / 8 W	Against polarity reversing	5 m
CSH-334-2	Magnetoresistive	3 wires	10 ÷ 27 V DC	PNP	250 mA	6 W	Against polarity reversing and overvoltage	2 m
CSH-334-5	Magnetoresistive	3 wires	10 ÷ 27 V DC	PNP	250 mA	6 W	Against polarity reversing and overvoltage	5 m

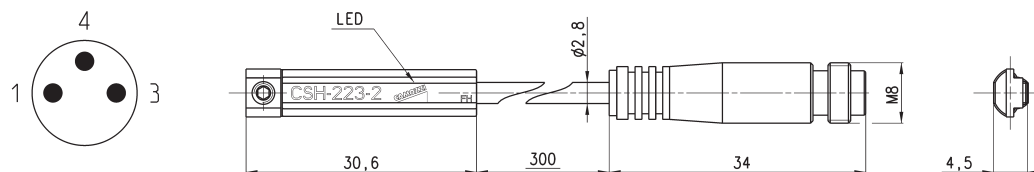
Magnetic proximity switches with M8 3-pin connector for H-slot



Note for 2-wire switch Mod. CSH-253:
in case of polarity reversing the sensor will still be operating, but LED diode won't turn on.



Suitable also for T-slots
Cable length: 0.3 m



Mod.	Operation	Connection	Voltage	Output	Max current	Max load	Protection
CSH-253	Reed NO	2 wires M8 male 3 pin	10 ÷ 30 V AC/DC	-	250 mA	10 VA / 8 W	Against polarity reversing
CSH-263	Reed NO	3 wires M8 male 3 pin	10 ÷ 30 V AC/DC	PNP	250 mA	10 VA / 8 W	Against polarity reversing
CSH-364	Magnetoresistive	3 wires M8 male 3 pin	10 ÷ 27 V DC	PNP	250 mA	6 W	Against polarity reversing and overvoltage
CSH-463	Reed NC	3 wires M8 male 3 pin	10 ÷ 30 V AC/DC	PNP	250 mA	10 VA / 8 W	Against polarity reversing