

02.12.E



Fig.1: Sheet destacker in the canmaking industry.

Smallest and cheapest Double Sheet Sensors for the canmaking industry all over the world !

These new Double Sheet Sensors for 24 VDC supply do NOT need any additional amplifiers or switching boxes. All features are integrated in the sensor. The sensors have a transistor output switch for direct control of PLCs IPCs etc.

The reference sheet thickness can be programmed simply with a sensor input pin by applying a short high signal while a single reference sheet is on the sensor (Teach- In System). This programming may be done once on the sensors installation if only one and always the same sheet thickness is monitored or again and again, every time when the thickness changes during operation. The sheet thickness of the reference sheet is stored permanently in a non- volatile memory (EEPROM) in the sensor.

Fig. 5 A shows a wiring diagram with a programm push- button and the controlling of a double sheet relay.

Fig. 5 B shows a wiring diagram with programming and controlling on a PLC application. There are single sided sheet touching sensors and double doublesided not sheet touching sensors available. The sensors are connected by M12 connectors. Cables with onesided M 12 connector and othersided open wires with 5 or 10 m length are also in our supply range.



Fig.2: Singlesided sheet touching Double Sheet Sensors
 For steel sheets up to max. 0,5 mm thickness:
 Type S 0.5P4S diameter: 18mm, length: 45 mm = EUR 266,--
 For steel sheets up to max. 1,0 mm thickness:
 Type S 1.0P3S diameter: 28 mm, length: 55 mm = EUR 358,--
 For aluminium sheets up to max. 0,5 mm thickness:
 Type SA 0.5P3S diameter: 28 mm, length: 55 mm = EUR 373,--

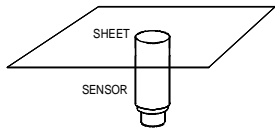


Fig.3: Through the use of modern micro electronic parts all functions are integrated in the sensor. No additional external amplifiers or switching boxes are necessary.



Fig.4: Bothsided, touchless Double Sheet Sensors for steel and / or aluminium sheets. Transmitter- Sensor Type SIZ 30PSS and Receiver- Sensor Type SIZ 30P3SE Diameter: M30 thread, length 28 mm = EUR 340,--

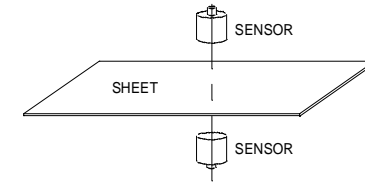


Fig.5: Sensor- wiring examples for sensor S 0.4P4S:

- A) Sheet thickness calibration by push- button switch, double sheet controlling by relay
- B) Sheet thickness calibration and double sheet controlling by PLC / IPC

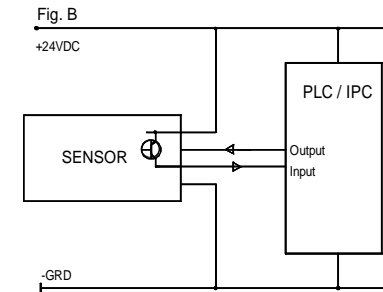
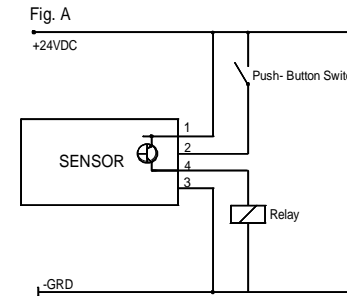
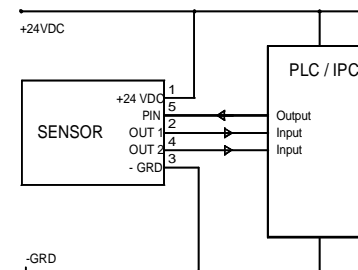


Fig.6: Sensor Type S 1.0P3SE with 2 outputs for discrimination of no / one sheet and one sheet and double sheets.

Sensorconditions:	No Sheet	1 Sheet	Double Seet
Output OUT 1	H	H	L
Output OUT 2	H	L	H
LED	green (flash)	green	red



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