

# Position transmitter and programmable proximity switch SDAC-MHS

FESTO

Compact  
and  
powerful!



## Universal for C-slots!

### Highlights

- Option 1:  
IO-Link® position transmitter and proximity switch with 2 switching outputs in one device. The switching outputs can be programmed directly on the device using the capacitive operating button
- Option 2:  
Standard position transmitter with 0 ... 10 V

The IO-Link® position transmitter with two programmable proximity switches is the universal solution for all compact drives such as compact cylinders and grippers. As a position transmitter, it provides continuous feedback on the piston position within the sensing range. The proximity switch function replaces a second proximity switch thanks to the two programmable switching outputs in one device.

#### Reliable and precise

As a position transmitter, the SDAC-MHS is the ideal solution for applications such as ultrasonic welding, screwing, riveting, good/bad detection. It sends a continuous position signal with high repetition accuracy. The IO-Link® user interface enables the direct and universal programming of 4 channels as window comparator, hysteresis comparator or proximity switch.

#### Space- and cost-saving

It is difficult to install two proximity switches on compact drives; this is only possible by having them project past the drive. The SDAC-MHS solves this problem because it can also be used as a standard proximity switch. Two switching points can easily and

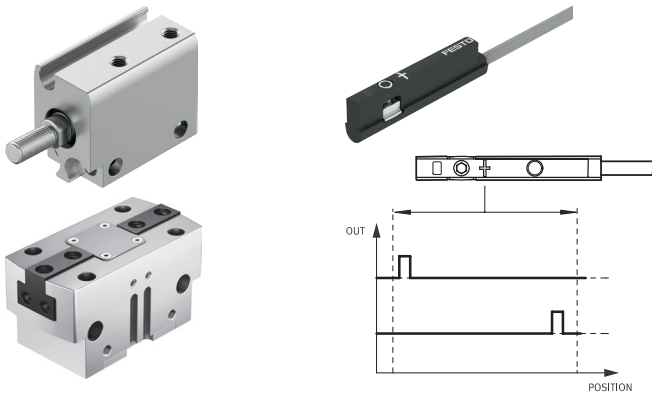
reliably be programmed with the capacitive operating button integrated into the device, converting the SDAC-MHS to two proximity switches in one device. The switching outputs can also be programmed as PNP, NPN, N/O and N/C. This will significantly reduce your warehousing. The SDAC-MHS can of course also be ordered simply as a standard position transmitter with 0 ... 10 V analogue output and without a proximity switch function.

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## Applications

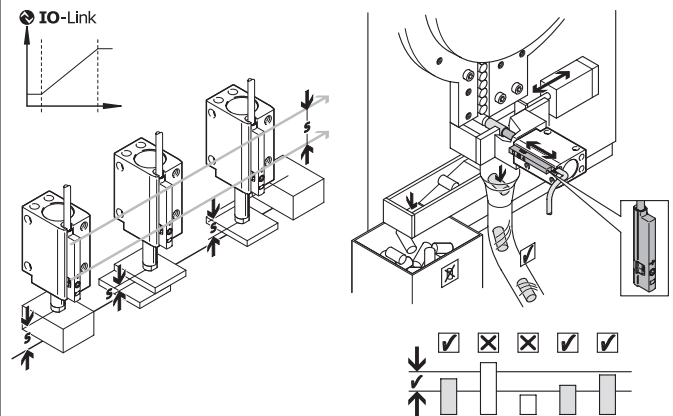
### SDAC-MHS in the proximity switch operating mode

- Primarily for compact drives such as compact cylinders and grippers
- Two proximity switch points can be programmed within the sensing range
- Installation and commissioning of a second proximity switch is not required



### SDAC-MHS in the position transmitter operating mode

- Primarily for compact drives such as compact cylinders and grippers
- The device continuously provides feedback on the piston movement within the sensing range
- Typical applications are object detection and process monitoring such as product detection, product change, good/bad selection, detection of wear, etc.



## Technical data and ordering data

### SDAC-MHS-M30-1L-PNLK-...

Protocol	IO-Link®
IO-Link® communication mode	COM 2
Sensing range	Typically 30 mm
Switching output	2x PNP or 2x NPN, adjustable
Switching element function	N/O or N/C contact, switchable

### SDAC-MHS-M20-1L-V-...

Analogue output	0 ... 10 V
Sensing range	Typically 20 mm

### General technical data

Design	For C-slot
Repetition accuracy	0,2 mm
Ambient temperature	-40 ... +80 °C
Degree of protection	IP65, IP68

### Ordering data

Description	Part no.	Type
IO-Link®, 2 switching outputs, M8 plug, 4-pin	8128404	SDAC-MHS-M30-1L-PNLK-PN-E-0.3-M8
IO-Link®, 2 switching outputs, 2.5 m cable, 4-wire open end	8128405	SDAC-MHS-M30-1L-PNLK-PN-E-2.5-LE
0-10 V, 0.3 m cable, M8 plug, 3-pin	8128402	SDAC-MHS-M20-1L-V-E-0.3-M8
0-10 V, 2.5 m cable, 3-wire open end	8128403	SDAC-MHS-M20-1L-V-E-2.5-LE