

Datasheet

Function:

The electrical adding counter CCES and a proximity switch can be used to count the switching cycles of a cylinder.

Recommended proximity switches

SME, SMT → 2

Key features:

- 8-digit LCD display
- Own power supply
- Designed for front panel mounting
- Connection via terminal strip
- Reset button



General technical data

Design	Electrical adding counter with battery
Type of mounting	Front panel mounting
Power supply	Lithium battery
Display	8-digit
Reset method	Manual button or electrical signal
Min. pulse length for drive [ms]	15
Min. pulse length for reset [ms]	15
Product weight [g]	30

Electrical data

Lower threshold value [V DC]	< 0.7
Upper threshold value [V DC]	5 ... 30
Clock pulse input	Programmable
Clock pulse input setting	Falling edge 30 Hz
Max. counting rate [kHz]	7.5
Max. attenuated counting rate [Hz]	30

Operating and environmental conditions

Ambient temperature [°C]	–10 ... +50
CE marking (see declaration of conformity) ¹⁾	To EU EMC Directive
UKCA marking (see declaration of conformity) ¹⁾	To UK EMC regulations
Corrosion resistance class CRC ²⁾	2

1) Additional information: www.festo.com/catalogue/cces → Support/Downloads.

2) Corrosion resistance class CRC 2 to Festo standard FN 940070

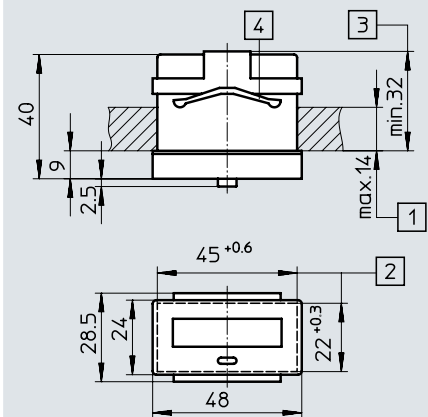
Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements that are in direct contact with a normal industrial environment.

Materials

Housing	PC
Note on materials	RoHS-compliant

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Dimensions



[1] Front panel

[2] Cutout on front panel

[3] Installation depth

[4] Clamp frame

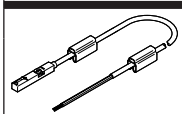
 **Note**

Terminal cross section:
max. 1 mm², min. 0.13 mm²

Download CAD data → www.festo.com

Ordering data		Part no.	Type
Adding counter		549403	CCES-P-C8-E

Accessories

Ordering data		Datasheets → Internet: sme-8m, smt-8m	
	Description	Switching output	Type
	Proximity switch, N/O with cable, 2.5 m	Contacting, bipolar	543862 SME-8M-DS-24V-K-2.5-OE
		PNP	543867 SMT-8M-PS-24V-K-2.5-OE

 **Note**

- The proximity switch SME mentioned above can be connected as a 2-wire switch to the adding counter without an additional voltage supply.

- When using other proximity switches, an additional voltage supply may be required and it may be necessary to reprogram the counting input for the adding counter from NPN to PNP.

- Shielded cables must be used for cable lengths over 3 m.
- The maximum permissible cable length is 30 m.

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