

Adding counter CCES

FESTO



Characteristics

At a glance

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

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

Type code

001	Series	
CCES	Adding counter	

002	Design type	
P	Front panel integration	

003	Display type	
C	LCD, backlit	

004	Number of positions	
8	8-digit	

005	Reset method	
E	Electric signal/pushbutton	

Datasheet

General technical data

Design	Electric adding counter with battery
Type of mounting	Front panel mounting
Power supply	Lithium battery
Display	8-digit
Type of reset	Pushbutton or electric signal
Min. pulse length drive	15 ms
Min. pulse length reset	15 ms

Electrical data

Lower threshold value DC	0.7 V
Upper threshold value DC	5 ... 30 V
Clock pulse input (input)	Programmable
Clock pulse input setting	Negative edge 30 Hz
Max. counting rate	7.5 kHz
Max. attenuated counting rate	30 Hz

Operating and environmental conditions

Ambient temperature	-10 ... 50°C
CE mark (see declaration of conformity) ¹⁾	To EU EMC Directive
CE marking (see declaration of conformity) ²⁾	To UK instructions for EMC
Corrosion resistance class CRC ³⁾	2 - Moderate corrosion stress

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

2) More information: www.festo.com/catalogue/cces → Support/Downloads

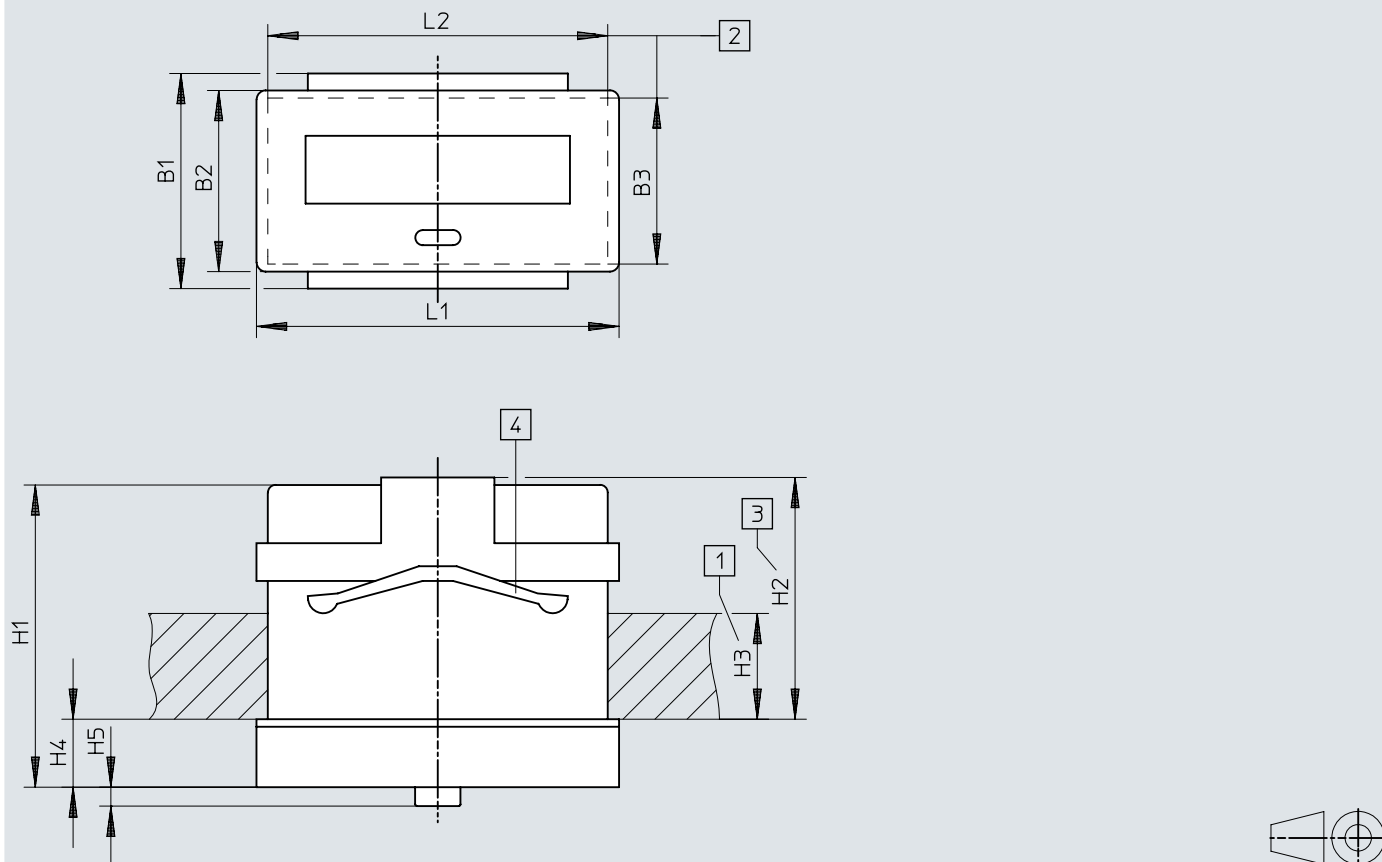
3) More information www.festo.com/x/topic/crc

Materials

Material housing	PC
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B1/B2-L

Dimensions

Dimensions – Adding counter CCES

Download CAD data → www.festo.com

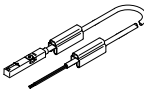
- [1] Front panel
- [2] Cutout on front panel
- [3] Installation depth
- [4] Clamp frame

	B1	B2	B3 +0,3	H1	H2 min.	H3 max.	H4	H5	L1	L2 +0,6
CCES-P-C8-E	28,5	24	22	40	32	14	9	2,5	48	45

Ordering data

Ordering data				
	Short type code	Product weight	Part no.	Type
	CCES	30 g	549403	CCES-P-C8-E

Accessories

Proximity switch SMT-8M						
	Switching element function ¹⁾	Cable length ²⁾	Switching output	Product weight	Part no.	Type
	N/O contact	2.5 m	Contacting, bipolar	29.8 g	543862	SME-8M-DS-24V-K-2,5-OE

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

2) Shielded cables must be used for cable lengths over 3 m. The max. permissible cable length is 30 m.