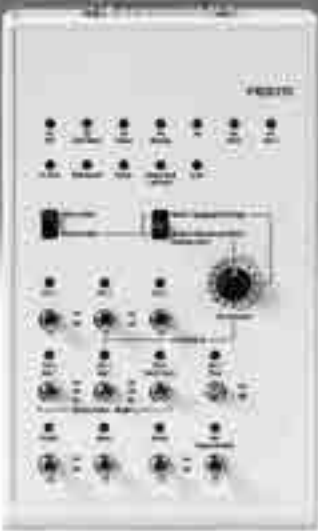


# Simulators CDSM



# Simulators CDSM

Key features and type codes

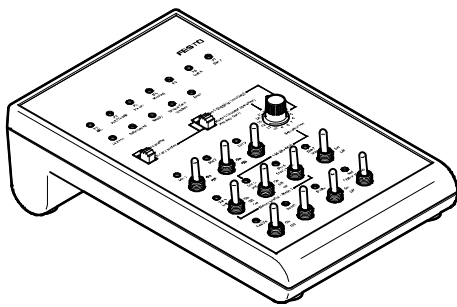
## Key features

- The simulator CDSM is used to simulate input and output signals during commissioning
- The full functionality of the I/O interface of the motor controller is available
- Suitable for commissioning the following motor controllers:
  - CMMO-ST-C5-1-DIOP
  - CMMO-ST-C5-1-DION
  - CMMP-AS-...
  - CMMS-ST-...
- The connecting cable to the motor controller is included in the scope of delivery

## At a glance

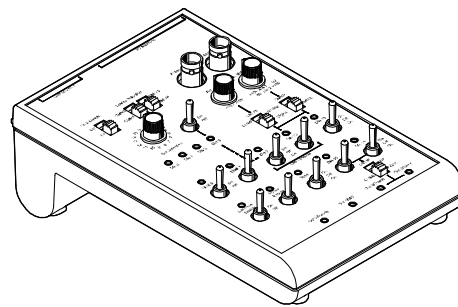
CDSM-S3-P, CDSM-S3-N

For motor controller: CMMO-ST-C5-1-DIOP/CMMO-ST-C5-1-DION



CDSM-S1-P

For motor controller: CMMP-AS, CMMS-ST



## Type codes

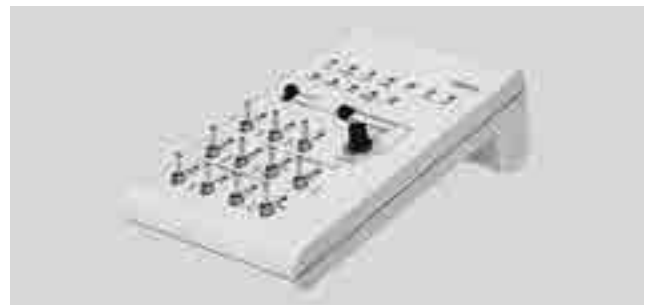
		CDSM	–	S3	–	P
<b>Type</b>						
CDSM	Simulator					
<b>Device version</b>						
S3	For motor controller CMMO-ST-C5-1-DIOP, CMMO-ST-C5-1-DION					
S1	For motor controller CMMP-AS, CMMS-ST					
<b>Switching input/output</b>						
P	PNP switching logic					
N	NPN switching logic					

# Simulators CDSM-S3

Technical data

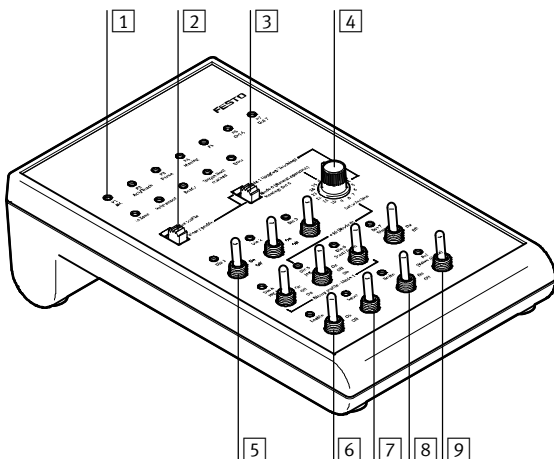
FESTO

For motor controller:  
CMMO-ST-C5-1-DIOP  
CMMO-ST-C5-1-DION



General technical data	
Digital I/O modules	Provided through the connected motor controller (→ documentation on the motor controller)
Degree of protection	IP20
Weight [g]	290
Material	Acrylonitrile butadiene styrene
Note on materials	Contains PWIS (paint-wetting impairment substances) RoHS-compliant

## Description



- 1 LED indicators
- 2 Selector switch for presetting the control profile:
  - Valve profile
  - Binary profile
- 3 Selector switch for the operating mode:
  - Mode 0 = normal operation
  - Mode 1 = jog/teach operation
- 4 Rotary switch for position set selection
- 5 Toggle switch for digital inputs (position set/set/jog/teach operation)
- 6 Toggle switch for controller enable (enable)
- 7 Toggle switch for acknowledging error
- 8 Toggle switch for releasing/engaging brake
- 9 Toggle switch for homing

- Enables operation in the valve profile as well as in the binary profile

- The alternative labelling that is provided prevents the duplicate assignment of the switches and LEDs, and operation in the valve profile is simplified

- The simulator is available in PNP and NPN switching logic and must be selected to match the controller

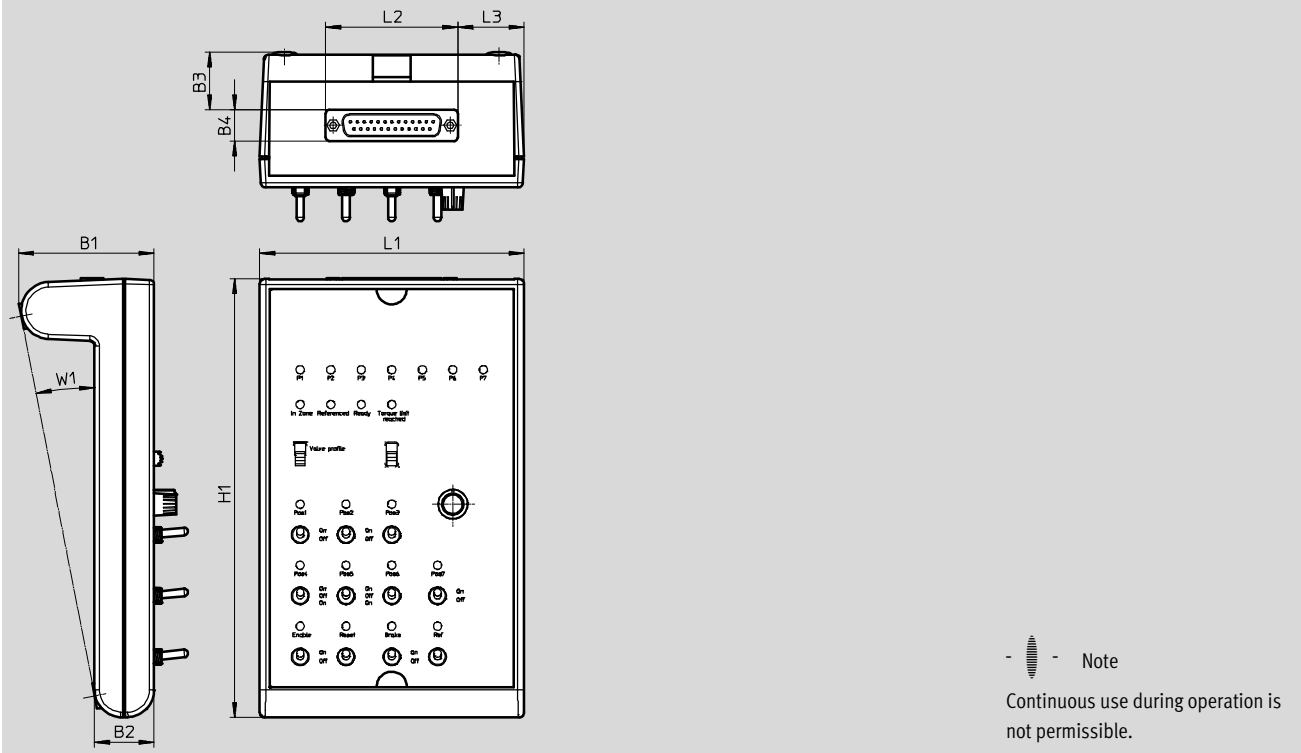
# Simulators CDSM-S3

Technical data

FESTO

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)



Type	B1	B2	B3	B4	H1	L1	L2	L3	W1
CDSM-...	54.3	23.9	23.2	12.6	176	106	53	26.5	11°

## Included in the scope of delivery:

- Simulator
- Alternative labelling for the valve profile
- Connecting cable to motor controller
- Operating instructions

## Ordering data

Type	For motor controller	Part No.	Type
CDSM-S3-P	CMMO-ST-C5-1-DIOP	8029523	CDSM-S3-P
CDSM-S3-N	CMMO-ST-C5-1-DION	8029524	CDSM-S3-N

# Simulators CDSM-S1

Technical data

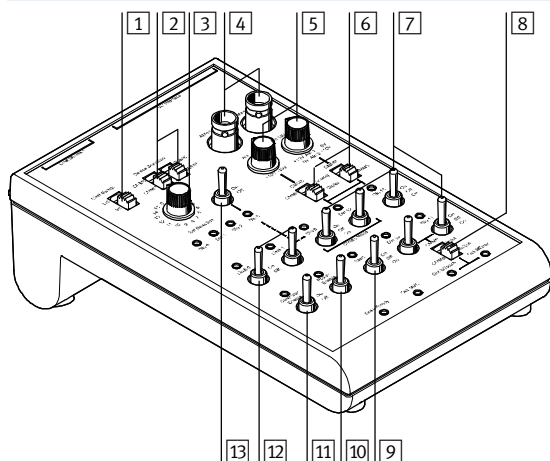
FESTO

For motor controller:  
 CMMP-AS  
 CMMS-ST



General technical data		
Proximity sensor supply		
Operating voltage	[V DC]	24 ±20%
Current	[mA]	Min. 5 ... 8
	[mA]	Max. 100
Digital I/O modules	Provided through the connected motor controller (→ documentation on the motor controller)	
Degree of protection	IP20	
Weight	[g]	340
Material	Acrylonitrile butadiene styrene	
Note on materials	Contains PWIS (paint-wetting impairment substances)	
	RoHS-compliant	

## Description



- 1 Selector switch for limit switch (external/internal)
- 2 Selector switches for setting the motor controller type: CMMP, CMMS
- 3 Rotary switch for position set selection
- 4 Sockets for analogue outputs (e.g. for oscilloscope)
- 5 Potentiometers for setting the voltage of the analogue inputs
- 6 Selector switches between analogue or digital inputs
- 7 Toggle switches for digital inputs
- 8 Selector switch between output and input
- 9 Toggle switch for start
- 10 Toggle switch for output stage enable
- 11 Toggle switch for controller enable
- 12 Toggle switch for simulation of limit switches (internal)
- 13 Toggle switch for digital input Din3 (only for CMMS)

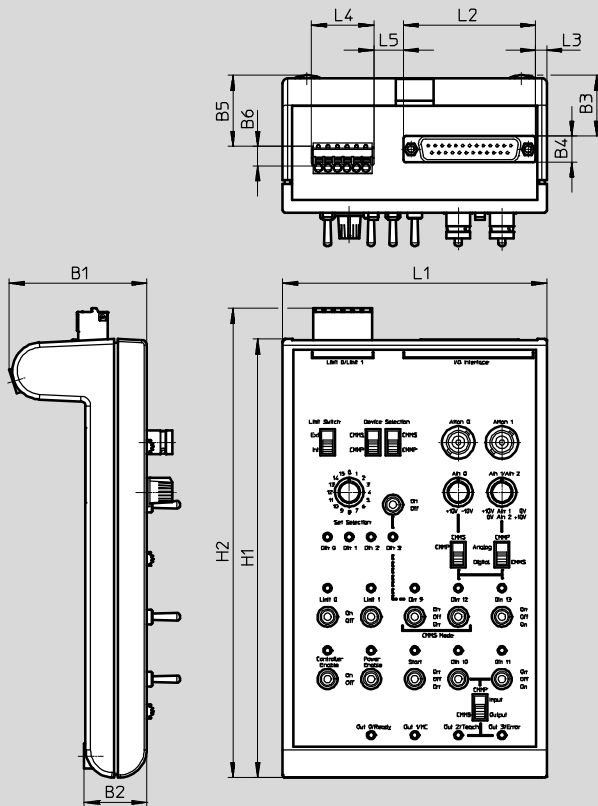
# Simulators CDSM-S1

Technical data

FESTO

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)



Note  
Continuous use during operation is not permissible.

Type	B1	B2	B3	B4	B5	B6	H1	H2	L1	L2	L3	L4	L5
CDSM-...	55.2	25	24.5	10.5	28.6	8	176	188	106	53	4.5	25	11.9

### Included in the scope of delivery:

- Simulator
- Connecting cable to motor controller
- Operating instructions

### Ordering data

Type	For motor controller	Part No.	Type
CDSM-S1-P	CMMP, CMMS	560503	CDSM-S1-P

## Product Range and Company Overview

### A Complete Suite and Company Overview

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



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Complete custom engineered solutions



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With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



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Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.

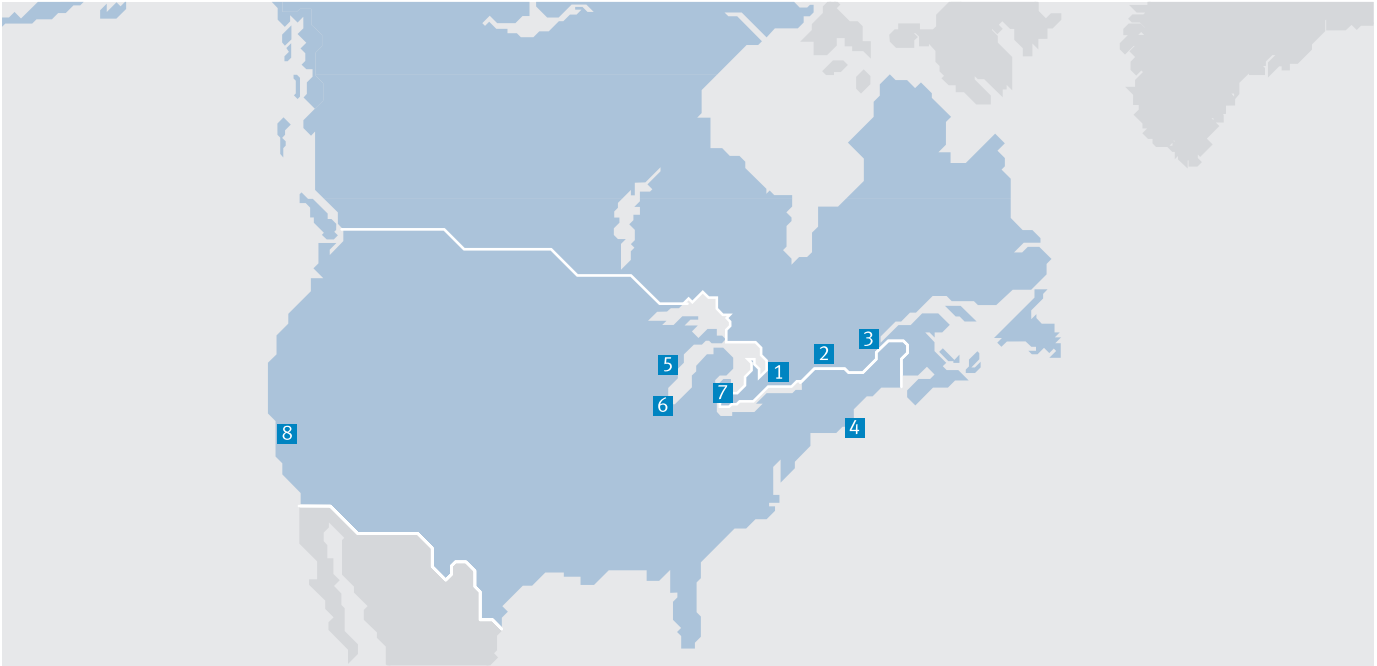


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