

Electro-magnetic shutter 48EMS-6



FEATURES

Electro-magnetic laser shutter

- Clear aperture 6 mm
- Min. 25 million cycles
- Compatible to the 'multicube' System
- Bistable, operating frequency max. 15 Hz
- Min. exposure time 11 ms
- Controlled by TTL signal (flank control)
- Electrical connection type M8, 4 pin female
- Suitable shutter controller SK97121 (not included)
- Compact, rugged, transportable and sealed opto-mechanical units
- Very high long-term stability, efficiency and reproducibility
- Can be used as an interface between different types of fibers or connectors

Please note: This is not a laser safety shutter according to EN 60825. Additional laser safety measures may be necessary.



DESCRIPTION

The electro-magnetic shutter 48EMS-6 is a shutter that can be controlled by means of a TTL signal (flank-controlled).

An appropriate controller is available separately.

Free beam setup

The electromagnetic shutter is compatible to the multicube system and can be connected using the adequate cubes, adapters and rods. It has a system mount Ø 19.5 mm on one side.

If you want to have a fiber-coupled electro-magnetic shutter, please refer to [48EMS-0](#).

TECHNICAL DATA

Electro-magnetic shutter 48EMS-6

Order code	48EMS-6
	bistable
Control	TTL (edge-triggered)
Electrical connector type	M5 (4 pin, female)
Voltage to switch	10.7 V DC
Coil resistance	8 Ohm
Shutter timing	
Min. exposure time	11 ms
Max. operating frequency	15 Hz (continuous)
Max. operating frequency	45 Hz (burst mode)
Operating temperature	-10 - +65°C
Suitable shutter controller	SK97121C
Cable	with connector type M5, length 2m (included)
Lifetime	min. 25 million cycles
Weight	xxx gr

DOWNLOADS



[980911310401.pdf \(Dimensional drawing\)](#)

ACCESSORIES

COMBINATION CUBES AND PLATES 48MC

compatible with established cage and microbench systems

SHUTTER CONTROL UNIT SK97121C

for electro-magnetic shutters type 48EMS

RELATED PRODUCTS

**LASER BEAM
COUPLERS SERIES
60SMS**

for coupling into single-mode and polarization-maintaining fiber cables

**FIBER-COUPLED
ELECTRO-MAGNETIC
SHUTTER 48EMS-0****MULTICUBE
COMPONENTS**

Multicube Components like mounting plates, cubes etc.

This is a printout of the page <https://sukhamburg.com/products/details/48EMS-6> from 5/8/2024

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