

## Kuhnke Optical Beam Shutter Line

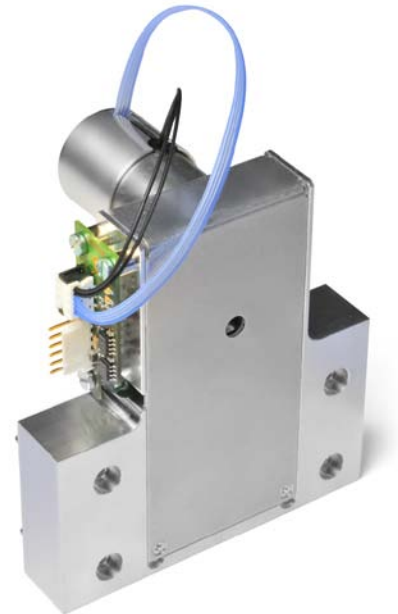
## Solenoid Technology

Kuhnke Laser Shutter DS200X8

### Advanced Optical Shutter

Lasers are used for a variety of technical processes, for example in medical technology, analytics, product labelling and distance measurements.

The new Kuhnke Laser Shutter combines high mechanical durability with the opportunity to analyse position and mirror temperature. When the shutter is closed, the laser beam is absorbed in a light trap. The reflection mirrors are available for a wide range of wave lengths. The reflection ability of the mirror is monitored redundantly by temperature measurements. The final assembly of the device takes place under clean room conditions. When it comes to laser shutters and rotary solenoids, Kendrion Kuhnke Automation offers comprehensive experience. Our scalable product range supports optimized and customized solutions.



#### Characteristics

- Photocell end position detection
- Redundant temperature monitoring of the mirror
- Closing of the aperture in the case of power failure
- Low emission materials
- Laser beam trap
- Connection for flushing air
- Optional heat absorption with additional water cooling

Technical data	
Type	<b>Kuhnke Laser Shutter DS200X8</b>
Aperture	6 mm, other diameters on request
Laser power	up to 100 W with additional water cooling
Wave length	266 nm, 355 nm, 532 nm, 1064 nm, other wave lengths on request
Switching frequency	up to 5Hz
Closing time	<15 ms
Beam diameter	0.8...2 mm, other diameters on request
Mechanical durability	10 Mio. switching actions
Sensors	Photocell positioning, temperature monitoring with NTC, TTL output
Case	Aluminium carrier, dimensions approx. 100 x 60 x 100 mm
Mounting	Mounting holes, exact positioning on request
Power supply	12 V DC pull voltage, 6 V DC holding voltage, other voltages on request
Power requirements	approx. 4 W (@ 6 V DC)
Storage temperature	-25 °C...+60 °C

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