

# Optical Beam Shutter Line

Kendrion's optical and laser shutters offer a wide range of solutions for blocking beams. The products use electro-mechanical actuators (Kuhnke rotary solenoids), which we have been producing for more than 50 years. We offer solenoids in many different shapes and sizes from miniature to high-performance, so that our products can fit many different applications.

Shutter blades consist of all kind of forms, material, dimensions and coating. We integrate position sensors and other features into the optical and laser shutter module in order to reach a high degree of safety during long term operation.

For more details or further assistance, please contact us.

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Design	Self-restoring and bi-stable	
Aperture	1 - 15 mm (others on request)	
Mechanical rotation	25° - 95°	
Response time	5 - 20 ms	
Switching frequency	5 - 30 Hz	
Operating voltage	24 V DC (others on request)	
Operating temperature	max. 50 °C (others on request)	
Lifetime	10 - 30 Mio cycles	
Reflector	applicable on request	
Type	<p>Basic shutters</p> 	<p>Advanced shutters</p> 