

APPLICATIONS

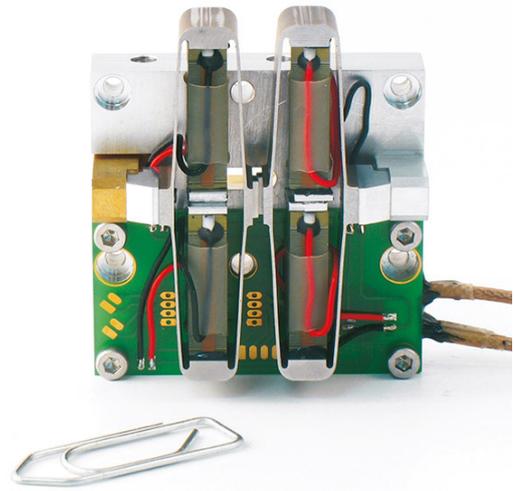
- > X-Ray Shutter for Synchrotron beamlines

KEY FEATURES

- > UHV compatibility
- > Lifetime: > 100 million cycles
- > High repeatability
- > Low jitter: < 100 μ s
- > Shutter status feedback (Open/Close) with Strain Gauge (SG) sensors
- > Remote control of the shutter with RS422 link (option RS422)
- > 50 Hz max Continuous operating frequency
- > Tungsten teeth for 100 keV X-ray beam extinction

RELATED PRODUCTS

- > Drived and controlled with SP75A-2
- > Strain gauge conditioner SG75-1
- > Rack RK42F3U-LC75B
- > Vacuum box with KF40 interface



NON CONTRACTUAL PICTURE

PARAMETER	TYPICAL VALUE	UNIT
Max. beam diameter	0.70	mm
Aperture & closing time	4	ms
Voltage range	-20 ... 150	V
Capacitance (per electrical port)	3.2	μ F
Slits material	Tungsten	-
Slits depth	2.4/4.8	mm
Dimensions (X×Y×Z)	60×44×21	mm
Mass	84	g

ELECTRICAL INTERFACE

> Ambient

Cable length	60 cm
Connector	SUB-D9 male

> Vacuum and UHV

Cable length	30 cm
Connector	LewVac SUB-D9 male D9R-M500

> Vacuum and UHV with vacuum box

Cable length	30 cm
Connector	LewVac SUB-D9 male D9R-M500

- > **Mechanical Interfaces** : See ICD

