

APPLICATIONS

- > X-Ray Shutter for Synchrotron beamlines

KEY FEATURES

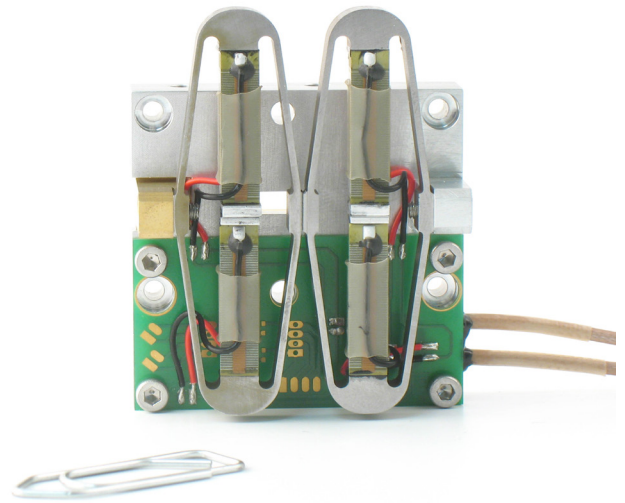
- > UHV compatibility
- > Lifetime: > 100 million cycles
- > High repeatability
- > Low jitter: < 100 μ s
- > Tungsten teeth
- > Shutter status feedback (Open/Close) with Strain Gauge (SG) sensors
- > Remote control of the shutter with RS422 link

RELATED PRODUCTS

- > Amplifier SP75-2 for ON/OFF
- > Strain gauge conditioner SG75-1
- > Rack RK42F3U-LC75B
- > Vacuum box with KF40 interface
- > RS422 Board

AVAILABLE OPTION

- > UHV compatibility



NON CONTRACTUAL PICTURE

PARAMETER	TYPICAL VALUE	UNIT
Max. beam diameter	0.30	mm
Aperture & closing time	2	ms
Voltage range	-20 ... 150	V
Capacitance (per electrical port)	3.2	μ F
Slits material	Tungsten	-
Slits depth	2.4	mm
Dimensions (X×Y×Z)	60×44×21	mm
Mass	84	g

ELECTRICAL INTERFACE

> Ambient

Cable length	60 cm
Connector	SUB-D9 male

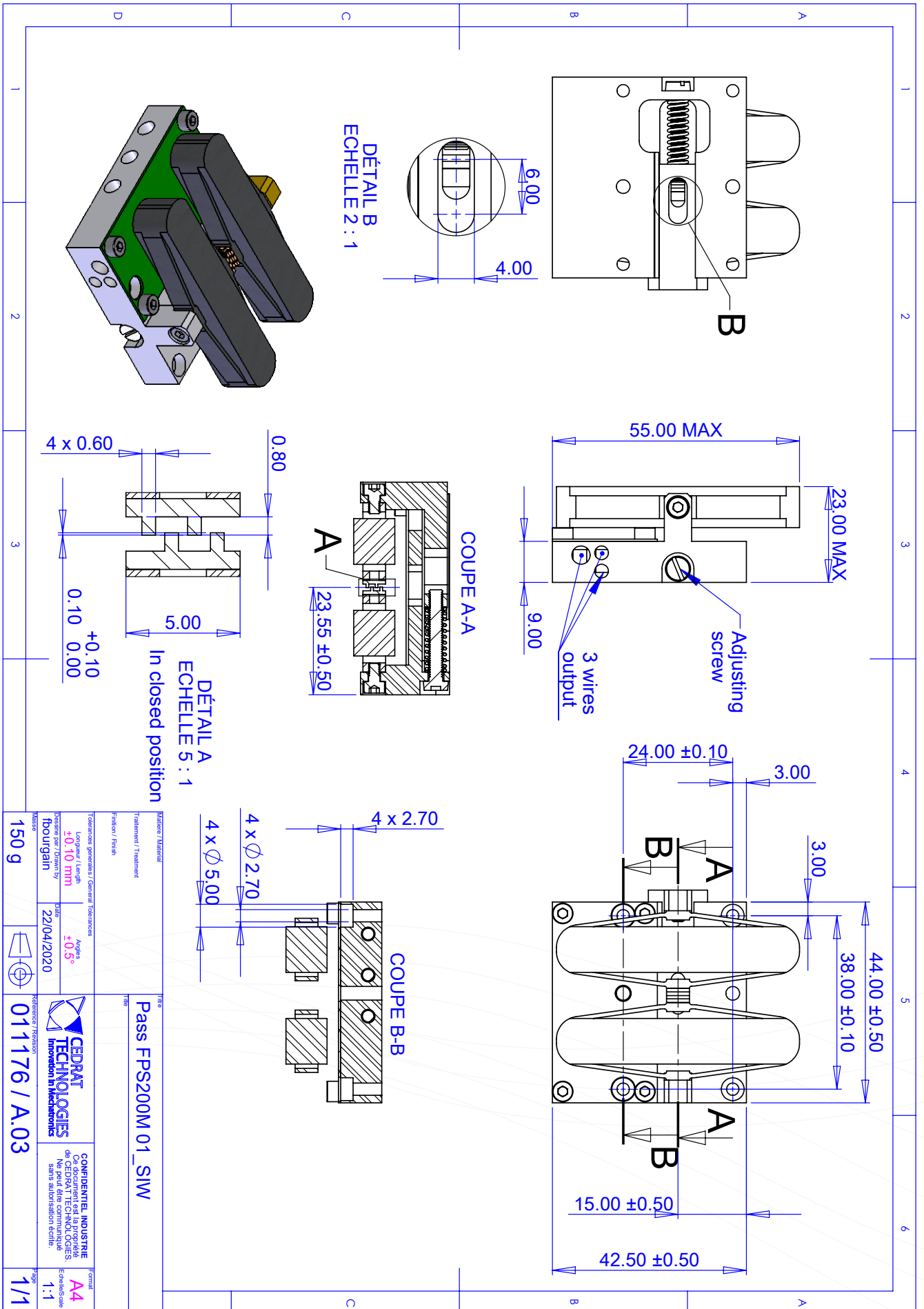
> Vacuum and UHV

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



Matière / Material Traitement / Treatment Finition / Finish		Référence Révision Pass FPS200M 01_SIW	
Tolérances générales / General Tolerances Longueur / Length Origine par / Drawn by 22/04/2020		Angles ±0.5° 22/04/2020	
150 g		011176 / A.03	
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