

### APPLICATIONS

- > X-Ray Shutter for Synchrotron beamlines

### KEY FEATURES

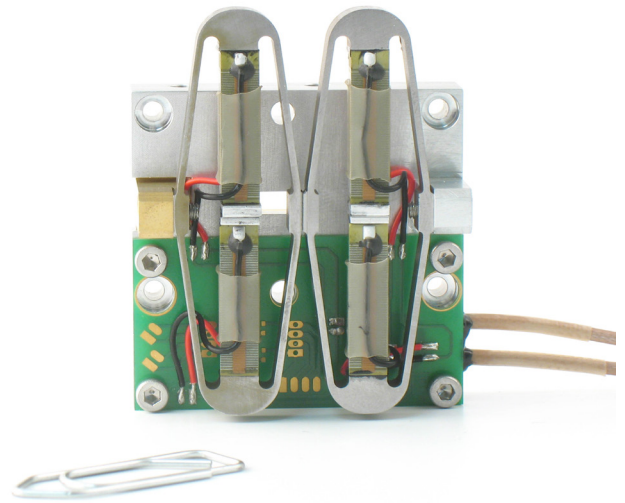
- > UHV compatibility
- > Lifetime: > 100 million cycles
- > High repeatability
- > Low jitter: < 100  $\mu$ s
- > Tungsten teeth
- > Shutter status feedback (Open/Close) with Strain Gauge (SG) sensors
- > Remote control of the shutter with RS422 link

### 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	$\mu$ 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

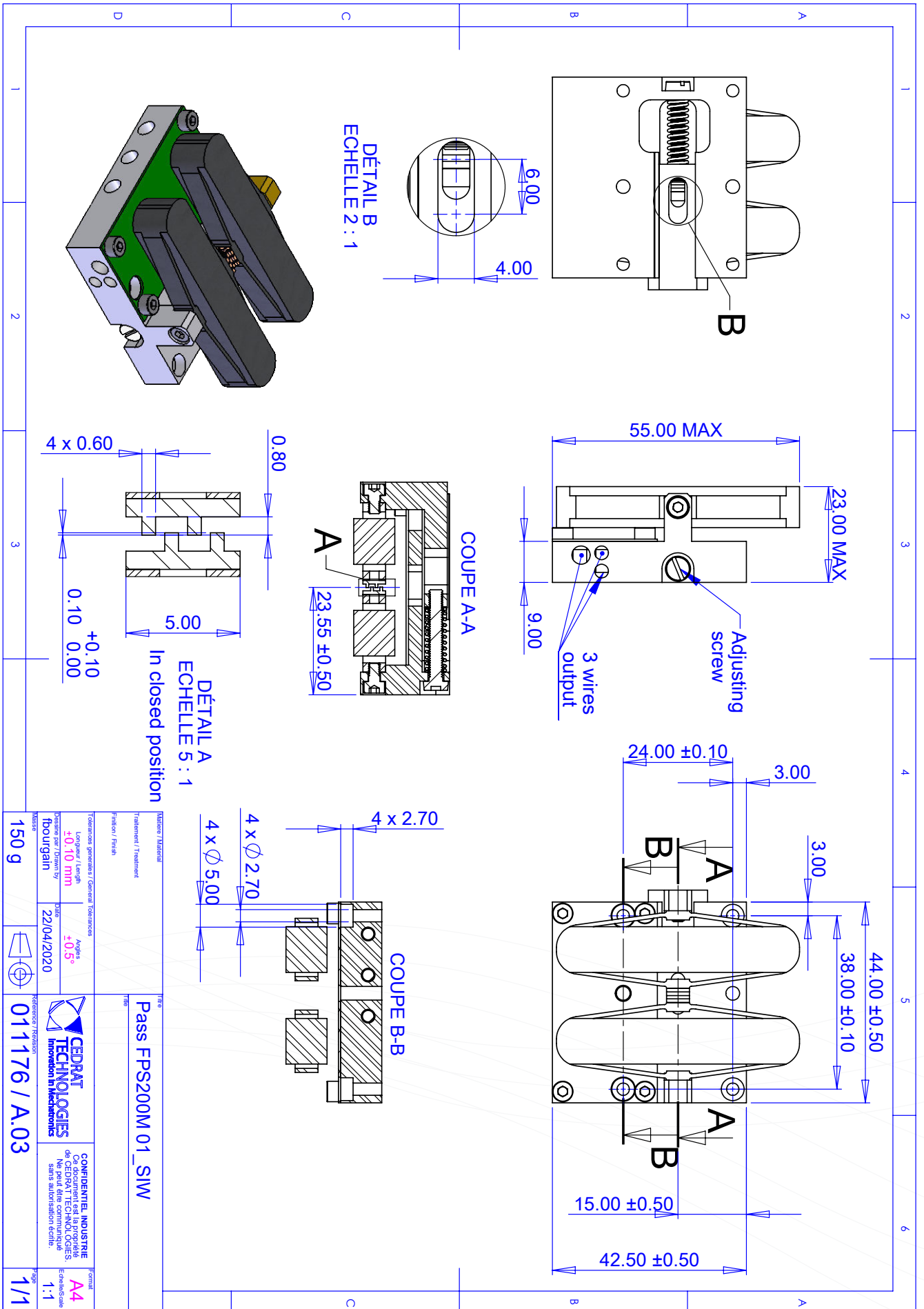
#### > Vacuum and UHV

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 <b>011176 / A.03</b>	
Tolérances générales / General Tolerances Longueur / Length Précision par Drawn by Mètre		Angles 22/04/2020 150 g	
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