

## STEPPER AND DC MOTORS DATASHEETS

### STEPPER MOTORS

Model	Wiring scheme	Design Voltage, V	Phase Current, A	Holding Torque, Nm	Detend Torque, mNm	Phase Resistance, Ohm	Inductance, mH	Steps/Revolution
20	bipolar	4.3	0.8	0.03	1.5	5.4±15%	1.5±20%	200 (1.8°)
28	bipolar	4.56	0.67	0.106	3.75	6.8±15%	4.8±20%	200 (1.8°)
28S	bipolar	3.75	0.67	0.071	2.5	5.6±15%	4±20%	200 (1.8°)
4233	bipolar	12	0.4	0.25	8.5	30±10%	37±20%	200 (1.8°)
4247	bipolar	3.84	1.2	0.45	15.5	3.2±10%	6±20%	200 (1.8°)
5618	bipolar	4.82	2.01	1.84	39	2.4±15%	8.4±20%	200 (1.8°)
5918	bipolar	3	2.1	1.98	68	2±10%	8.8±20%	200 (1.8°)
ZSS43	bipolar	42	1.2	0.26	7	19	22.9	200 (1.8°)

### STEPPER MOTORS WITH BRAKE

Model	Wiring scheme	Design Voltage, V	Phase Current, A	Holding Torque, Nm	Detend Torque, mNm	Phase Resistance, Ohm	Inductance, mH	Steps/Revolution	Braking Power
5918-B	bipolar	2.4	2.82	1.05	40	0.85±10%	3.6±20%	200 (1.8°)	0.4 Nm; 24 V; 10 W

### DC MOTORS

Model	Design Voltage, V	Continuous Current, A	Continuous Torque, Nm	Continuous Power, W	Resistance, Ohm	Inductance, mH	Max Speed, rpm	Gearbox	Encoder
DCE369751	3.6	0.587	0.3	2	3.5	0.114	120	67:1	16 CPT, 2 channels
DCJ252445	1.8	0.72	0.3	1.2	1.07	0.0216	7	1119:1	-
DCE1524	6	0.63	0.3	1.7	5.1	0.07	35	141:1	256 CPT, 2 channels
DCE RE25	24	1.37	0.5	20	1.53	0.186	1800	4.4:1	1000 CPT, 3 channels

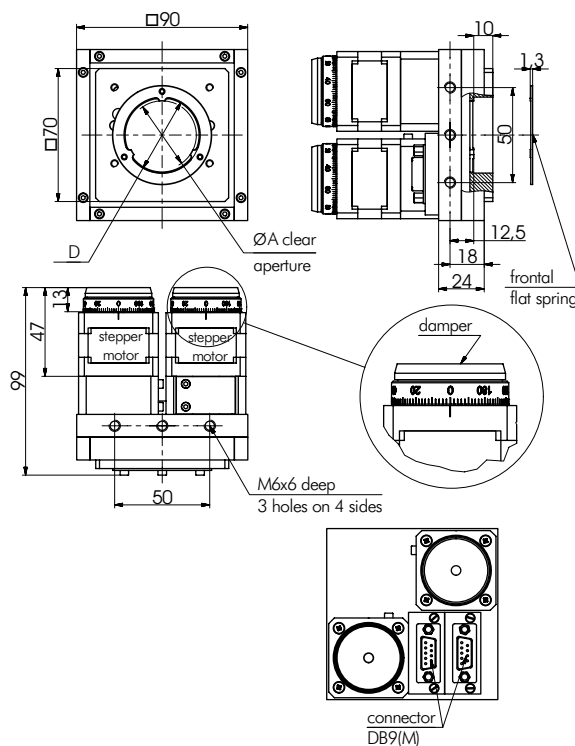
## 940-0050

## MOTORIZED MIRROR MOUNTS



**Motorized Mirror Mounts 940-0050** are designed for precise angular alignment of optical elements. Platform is tilted about two axes.

A retaining ring keeps optics in a non-through mounting opening of the platform. The ring is fixed by 3 screws. It has 3 dents with which it clamps optics against similar 3 rests in the platform. The dents are exactly opposite to the rests – this minimizes deformation.



### SPECIFICATIONS

Tilt range	5° both axes
Visual reading	dial knobs graduated in 200 steps per revolution
Resolution	0.0016° (0°00'06") per step
Optics accepted diameter (D), clear aperture (A):	
940-0051	Ø25.4 mm (1"), A=21.4 mm
940-0053	Ø40 mm, A=36 mm
940-0055	Ø50.8 (2"), A=46.8 mm
custom sizes available	
Optics thickness	10 mm (retaining rings for custom thickness available)
Material	black anodized aluminium
Motor	4233
Motor connector	DB9(M)
Mechanical end limit switches	2 per motor
Switch polarity	pushed is closed
Weight	1.08 kg

Code	Price, EUR
940-0051	575
940-0053	575
940-0055	575

### RECOMMENDED CONTROLLERS



**980-0030-RS232**  
see page 8.188

**980-0040-USB**  
see page 8.189

