

Anti-Static Ultra Miniature Actuator for Clean Room

KUMIKO-FSCR KUMINA-FSCR

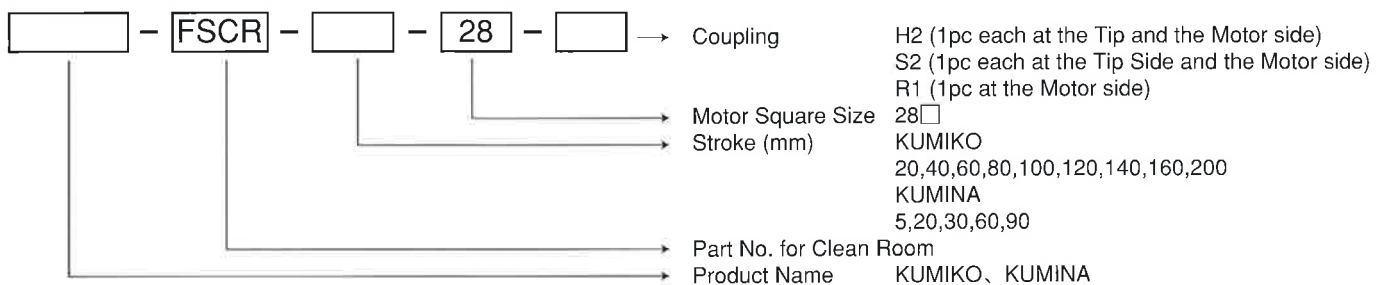
KUMIKO-FSCR KUMINA-FSCR Series



Features

- Brand New Actuator is now released fit to clean room environment (Class 10, Tested) adding to our super Miniature Actuator Series.
- KSS own unique design to the Stainless steel cover and the Sliding part structure eliminates friction and the vacuum pipe joints prevent from dusting, in and out by absorption from inside.
- Aluminum & Non Electrolyzing Nickel Plating body of actuator to prevents from static problems.
- Even for such small size, A Built in photo sensor is at both ends.

Model number notation



Specifications (Ordered products)

Model	Units	KUMIKO-FSCR	KUMINA-FSCR
Stroke	(mm)	20,40,60,80,100,120,140,160,200	5,20,30,60,90
Repeated positioning accuracy	(mm)	± 0.01	± 0.005
Maximum horizontal load capacity	N (kgf)	39.2 (4.0)	29.4 (3.0)
Maximum vertical load capacity	N (kgf)	19.6 (2.0)	10.2 (1.0)
Maximum load moment	N · m (kgf · cm)	Mp: 0.5 (5) My: 0.5 (5) Mr: 1.0 (10)	Mp: 0.6 (6.2) My: 0.6 (6.2) Mr: 1.17 (11.4)
Maximum speed	(mm/sec)	120	20
Drive system		Precision rolled ball screw, Lead: 4mm	Precision ground ball screw, Lead: 1mm
Resolution	(mm/step)	0.008 (For full step)	0.002 (For full step)
Motor		Five-phase stepping motor, 0.35 A/phase (28mm x 28mm)	
Sensor		Photo micro sensor (2 points, motor side and opposite side) : 5V DC, 50mA	
Operating temperature range	(°C)	0 ~ 40	

* Maximum load moments - Mp: Permissible moment in screw pitch direction; My: Permissible yaw moment; Mr: Permissible rolling moment

