

# ECR4040/AI/NUM/RT

1009637

## Technical Specifications

<b>Size and Dimensions</b>	
footprint; height	40 mm x 40 mm; 14.5 mm
weight	54 g
height	14.5 mm
<b>Materials</b>	
positioner body	aluminum
actuator	PZT ceramics
connecting wires	copper, jacket: RT: PTFE, HV/UHV: fiberglass
<b>Coarse Positioning Mode</b>	
travel range (step mode)	360 ° endless
maximum drive velocity @ 300 K	10 °/s
input voltage range	0 - 45 V
<b>Fine Positioning Mode</b>	
fine angular positioning range @ 300 K	6 m°
fine positioning resolution	μ°
input DC voltage range	0 - 45 V
<b>Position Encoder</b>	
readout mechanism	optoelectronic sensor
encoded travel range	360°
sensor resolution	0.04 m°
sensor power (when measuring)	300 mW
repeatability	4 m° (bidirectional)
<b>Load (@ ambient conditions)</b>	
maximum load	2 kg
maximum dynamic torque around axis	1 Ncm
<b>Error Motion</b>	
wobble	<0.7 mrad
<b>General Specifications</b>	
environment	/RT

