

ECR4040/AI/NUM/RT

1009637

Technical Specifications

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| Size and Dimensions | |
| footprint; height | 40 mm x 40 mm; 14.5 mm |
| weight | 54 g |
| height | 14.5 mm |
| cable | 50 cm cable with connector |
| Materials | |
| positioner body | aluminum |
| actuator | PZT ceramics |
| connecting wires | copper, jacket: RT: PTFE, HV/UHV: fiberglass |
| Coarse Positioning Mode | |
| travel range (step mode) | 360 ° endless |
| maximum drive velocity @ 300 K | 10 °/s |
| input voltage range | 0 - 45 V |
| Fine Positioning Mode | |
| fine angular positioning range @ 300 K | 6 m° |
| fine positioning resolution | μ° |
| input DC voltage range | 0 - 45 V |
| Position Encoder | |
| readout mechanism | optoelectronic sensor |
| encoded travel range | 360° |
| sensor resolution | 0.04 m° |
| sensor power (when measuring) | 300 mW |
| repeatability | 4 m° (bidirectional) |
| Load (@ ambient conditions) | |
| maximum load | 2 kg |
| maximum dynamic torque around axis | 1 Ncm |
| Error Motion | |
| wobble | < 0.7 mrad |
| General Specifications | |
| environment | /RT |
| operating temperature range | 17 - 25 °C |
| operating humidity range | 40 - 60% |

