



DC-SUBFRACTIONAL ACTUATOR The Atlas Line

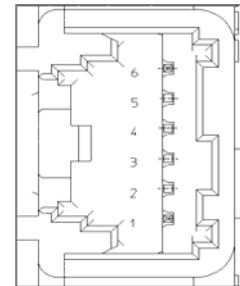
SERIES 1.85.002

Rated Voltage 11 Vdc	Stall Torque	Stall Current	Operating Torque	Operating Current	Operating Speed	No Load Current	No Load Speed	Starting Voltage	Breakaway Voltage	SPL @ 10cm	Pot Resistance
	Typical CW/CCW	Typical	Typical	Typical	Typical	Typical	Typical	Typical @ Load	Typical	Typical	+/- 25%
	Ncm	mA	Ncm	mA	rpm	mA	rpm	Vdc	Vdc	dBA	K-Ohm
Feedback	200	280	56	120	2.5	25	3.5	6.5	7	37	5
2-Position	200	280	56	120	2.5	25	3.5	6.5	7	37	N/A

Note: oz.-in. = Ncm x 1.4161

Electrical Connection & Control:

	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6
Feedback	Motor + CCW	Pot -	Pot +	Pot Wiper	n/c	Motor -
2-Position	Motor + CCW	n/c	n/c	n/c	n/c	Motor -



Design Features:

- Same footprint as MLC
- Gear ratio 637:1
- Typical backlash of 2.0° under load
- EMI/RFI suppression
- No stops, unlimited mechanical travel
- Pot angle 100° std., 250° max.
- Mating connector Tyco 1419158-1
- Typical Usage: Automotive HVAC
- Rated Operating Temperature Range
 - 40/+85°C Operating
 - 40/+95°C Exposure
- Light Weight of 115 grams
- 7 Spline output shaft

