



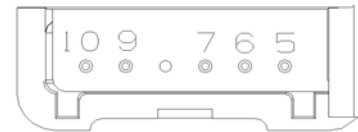
DC SUB-FRACTIONAL ACTUATOR Next Gen

Actuator Function	Test Voltage	Stall Torque Typical	Stall Current Typical	Operating Torque Typical	Operating Speed Typical (@Op. Torq)	No Load Speed Typical	Starting Voltage Typical (no load)	Pot Resistance +/- 20%	Max Operating Angle (elect/mech)
	VDC	Ncm	mA	Ncm	rpm	rpm	Vdc	k-ohm	degrees
Red (LT)	14	≤230 (130)	≤200 (138)	60	1.8	2.8	≤14	10	126 / 140
Red (HT)	14	≤300 (250)	≤250 (200)	150	2.4	2.9	≤14	10	104/140
Green (LT)	14	≤200 (130)	≤200 (124)	60	1.8	2.8	≤14	10	130/140
Green (HT)	14	≤350 (220)	≤250 (193)	60	2.3	3.1	≤14	10	130/140
Yellow E	14	≤200 (145)	≤175 (120)	60	2.2	3.5	≤14	NA	NA/140
White H	7	≤200 (120)	≤150 (87)	80	0.6	1.2	≤7	10	130/140

** All values at 25C

Electrical Connection & Control:

Actuator Type	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10
Red	NA	NA	GND	Input	FB	Vs +
Green	Vs +	Input	Vs -	NA	FB	+5 Reg
Yellow	Vs +	GND	NA	NA	NA	NA
White	Vs +	Vs -	Optional	FB -	FB	FB +



Design Features:

- Double D style of Output Interface
- 3 Point mounting
- Gear ratios:
 - Red/Green/White 945.8: 1
 - Yellow 556.2 : 1
- 140° Mechanical Rotation
- Mating connector Packard 12040953
- Typical Usage: Automotive HVAC
- Rated Temperature Range
- 40°C/+85°C Operating

