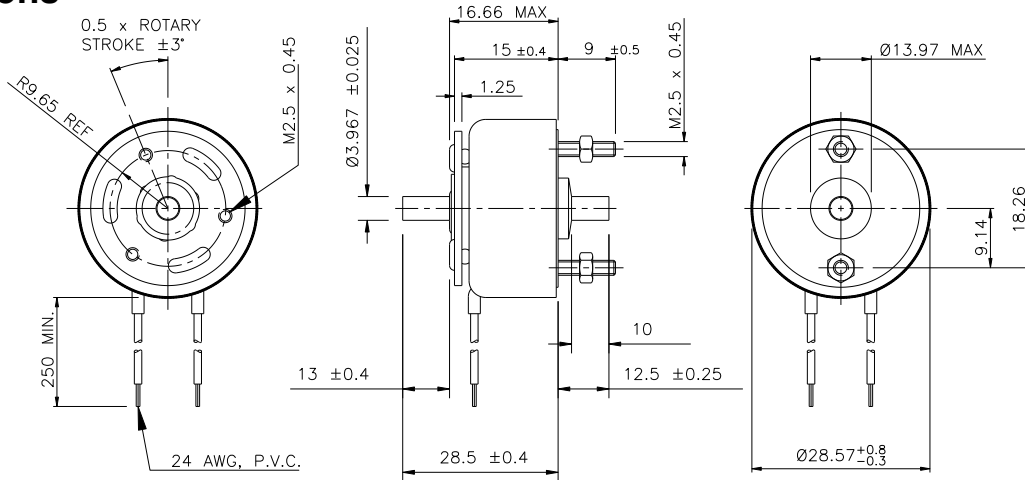


Rotary Solenoid

Size 2E



Dimensions



Solenoid shown in de-energised position

Performance Specifications

Starting Torque (mNm) @ 20° C

Maximum Duty Cycle	100%	50%	25%	10%	5%
25°	56.5	22.6	45.2	79.1	192.1
35°	-	22.6	33.9	56.5	124.3
45°	33.9	11.3	22.6	45.2	79.1

General Specifications

Dielectric Strength: 1000 VRMS

Coil Resistance: +/- 5% tolerance

Starting Torque: Gross torque values are shown

For net starting torque, subtract return spring torque

Return Spring Torque: 6.8 mNm +/- 20%

Weight: 56.7 g

Recommended Heat Sink: Maximum watts dissipated by the solenoid are based on an unrestricted flow of air at 20°C mounted on the equivalent of an aluminium plate 84.7 x 84.7 x 3.2mm min.

Coil Specifications

Maximum Duty Cycle	100%	50%	25%	10%	5%
Maximum ON Time (sec) when pulsed continuously		100	36	7	2.5
Maximum ON Time (sec) for single pulse		162	44	8	2.8
Watts (@ 20° C)	7	14	28	70	140
Ampere Turns (@ 20° C)	425	602	849	1350	1904

Coil Data

awg.	Resistance (@ 20°C)	# Turns	Nominal DC Voltage				
24	0.68	130	2.2	3.2	4.5	7.1	10.0
25	1.16	174	2.8	4.0	5.7	9.0	12.7
26	1.96	231	3.6	5.1	7.2	11.5	16.2
27	3.16	296	4.5	6.4	9.0	14.4	20.0
28	5.10	378	5.7	8.1	11.5	18.2	26.0
29	6.94	423	7.0	9.9	13.9	22.0	31.0
30	11.03	530	8.8	12.5	17.7	28.0	40.0
31	16.85	649	11.0	15.6	22.0	35.0	49.0
32	28.15	858	13.9	19.8	28.0	44.0	63.0
33	42.75	1036	17.5	25.0	35.0	56.0	79.0
34	69.56	1312	23.0	32.0	45.0	72.0	101
35	112.00	1674	29.0	40.0	57.0	91.0	128

Size 2E Rotary Solenoid

X Feature Configurations & Part Numbers



How to Order

Replace 'XX' with coil AWG required

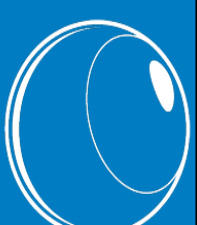
Description	Stroke / Direction	Nom. Axial Stroke mm	Direction of rotation as viewed from armature end, opposite mounting studs	
			Standard	Endurance Engineered
2E Rotary	25° RH	0.6	Armature Cover x 8 Armature End Shaft x 4 Return Spring x 9	Standard: M1244-0XX Endurance Engineered: E1244-0XX
			Armature Cover x 8 Base End Shaft x 3 Return Spring x 9	Standard: M1024-0XX Endurance Engineered: E1024-0XX
2E Rotary	25° LH	0.6	Armature Cover x 8 Double Shaft x 3 x 4 Return Spring x 9	Standard: M3259-0XX Endurance Engineered: E3259-0XX
				Standard: M2452-0XX Endurance Engineered: E2452-0XX
2E Rotary	35° RH	0.6	Armature Cover x 8	Standard: M1294-0XX Endurance Engineered: E1294-0XX
				Standard: M2116-0XX Endurance Engineered: E2116-0XX
2E Rotary	35° LH	0.6	Armature Cover x 8	Standard: M1159-0XX Endurance Engineered: E1159-0XX
				Standard: M15004-0XX Endurance Engineered: E15004-0XX
2E Rotary	45° RH	0.6	Armature Cover x 8	Standard: M2264-0XX Endurance Engineered: E2264-0XX
				Standard: M2117-0XX Endurance Engineered: E2117-0XX
2E Rotary	45° LH	0.6	Armature Cover x 8	Standard: M2265-0XX Endurance Engineered: E2265-0XX
				Standard: M2450-0XX Endurance Engineered: E2450-0XX
2E Rotary			Armature Cover x 8	Standard: M15046-0XX Endurance Engineered: E15046-0XX
				Standard: M1344-0XX Endurance Engineered: E1344-0XX
2E Rotary			Armature Cover x 8	Standard: M3405-0XX Endurance Engineered: E3405-0XX
				Standard: M2389-0XX Endurance Engineered: E2389-0XX

NSF Controls reserves the right to amend specification without prior notice. (Rev 08/21) www.nsfcontrols.co.uk

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Size 2E Rotary Solenoid

X Feature Configurations & Part Numbers



NSF
Innovative solutions
for a changing world

How to Order

Replace 'XX' with coil AWG required
see coil specification table

Descrip- tion	Stroke/Direction	Nom. Axial Stroke mm	No Shafts 3 Tapped Holes x 6 Return springs x 9		Armature End Shafts x 4 3 Tapped Holes x 6 Return springs x 9		Base End Shafts x 3 3 Tapped Holes x 6 Return springs x 9		Double Shafts x 3 x 4 3 Tapped Holes x 6 Return springs x 9	
			Standard	Engineered	Standard	Engineered	Standard	Engineered	Standard	Engineered
Direction of rotation as viewed from armature end, opposite mounting studs	2E Rotary	25° RH	M2168-0XX	E2168-0XX	M1094-0XX	E1094-0XX	M2933-0XX	E2933-0XX	M2411-0XX	E2411-0XX
	2E Rotary	25°LH	M2346-0XX	E2346-0XX	M2670-0XX	E2670-0XX	M2748-0XX	E2748-0XX	M2537-0XX	E2537-0XX
	2E Rotary	35° RH	M2193-0XX	E2193-0XX	M2685-0XX	E2685-0XX	M1088-0XX	E1088-0XX	M2994-0XX	E2994-0XX
	2E Rotary	35° LH	M2483-0XX	E2483-0XX	M15094-0XX	E15094-0XX	M15615-0XX	E15615-0XX	M15220-0XX	E15220-0XX
2E Rotary	45° RH	M1079-0XX	E1079-0XX	M2362-0XX	E2362-0XX	M3265-0XX	E3265-0XX	M3244-0XX	E3244-0XX	
2E Rotary	45° LH	M2744-0XX	E2744-0XX	M3112-0XX	E3112-0XX	M2436-0XX	E2436-0XX	M3245-0XX	E3245-0XX	

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