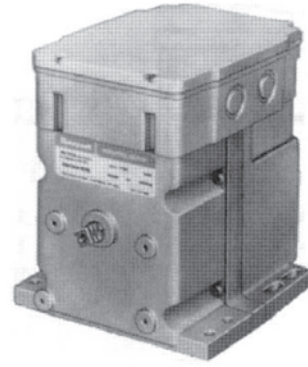


M6284/ M6294

On-Off type Modutrol IV Motors
On-Off 모듈트롤 모터



개요

M6284, M6294 모듈트롤 모터는 내부에 전기적으로 분리된 피드백 포텐쇼메타를 갖춘 플로우팅 조절모터가 내장되어 있습니다. 이들 모터들은 댐퍼조작기와 밸브를 가동 시키기 위하여 전환된 SPDT나 플로우팅 출력을 갖춘 조절기와 함께 사용되며 피드백 포텐쇼메타는 모터 축 위치의 지시기능을 갖추고 있으며 시리즈 90 모터와 연동하기 위하여 또는 외부 조절 회로의 평형을 재조정하기 위하여 사용됩니다.

특징

- 피드백 포텐쇼메타에 의한 축 위치 지시
- 수명이 길고 안정적임
- 현장에서 스트로크(90-160)조정
- M6284, M6294는 M944B.E.G.S의 대체품
- 내충격성, 타이밍 다양하게 적용

특성 및 규격

Standard Models |

<p>Control Type _____</p> <p>62 is Series 60 with internal feedback potentiometer</p> <p>Torque Rating _____</p> <p>8 is high torque : 150 lb-in. at standard timing(60 sec. for 160°) 9 is extra high torque : 300 lb-in. at 2 or 4 minute timing</p> <p>Output Drive _____</p> <p>4 is dual-ended shaft, non-spring return 1 is single-ended shaft, non-spring return</p>	<p>M6284A, B, C, D, F M6294A, B, C, D</p> <p>N N N N</p>	<p>Suffix Letter</p> <p>A : Fixed stroke (90° or 160°), No auxiliary switches B : Fixed stroke (90° or 160°), 1 auxiliary switch C : Fixed stroke (90° or 160°), 2 auxiliary switches D : Adjustable stroke (90° to 160°), No auxiliary switches F : Adjustable stroke (90° to 160°), 2 auxiliary switches</p> <p>NOTE: Some motors furnished to HVAC equipment manufacturers have a single-ended shaft, and no wiring box.</p>
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Electrical Ratings |

M6284, M6294	Voltage(V at 50/60 Hz)	Current Draw (A)	Power Consumption(W)
Without Transformer ^a	24	0.69	15
	120	0.21	20
With Internal Transformer	208	0.12	20
	240	0.11	20

^a Internal transformer can be field added.

Dead Weight Load on Shaft |

- Power or Auxiliary End: 200 lb (90.8 kg) maximum.
- Maximum Combined Load: 300 lb (136 kg).

Ambient Temperature Ratings |

- Maximum: 150°F (66°C) at 25% duty cycle.
- Minimum: Minus 40°F (-40°C).

Crankshaft | 3/8 in. (9.5 mm) square.

- M6284, M6294 have dual-ended shaft.
- M6281, M6291 have single-ended shaft.

Feedback Potentiometer |

115 ohms. TRADELINE models are 600 ohms linear, configurable for W902 Control or for slaving Series 90 motor.

Controller Type |

3-wire floating (Series 60) – drive open, hold, drive closed. Internal, electrically isolated feedback potentiometer provides indication of motor position.

Stroke |

Fixed stroke models available with 90° or 160° stroke. Other models available with stroke field adjustable from 90° to 160°. Start position of shaft changes with adjustment of stroke. (Midpoint of stroke remains fixed as stroke is adjusted. Stroke is adjusted by using cams located in wiring compartment.)

Auxiliary Switch Ratings (Amperes) |

One Contact Ratinga Amps	120V	240V
Full Load	7.2	3.6
Locked Rotor	43.2	21.6

^a 40 VA pilot duty, 120/240 Vac on opposite contact.

Underwriters Laboratories Inc. Listed | File No. E4436, Guide No. XAPX.

Canadian Standards Association Certified | General Listing File No. LR1620, Guide No. 400-E.

Timing		Torque in lb.-in (N · m)	
90° Stroke Motors	160° Stroke Motors	Normal Running	Breakaway
15 sec	30 sec	75(8.5)	150(17.0)
30 sec	1 min	150(17.0)	300(34.0)
1, 2 minb	2, 4 minb	300(34.0)	600(68.0)

^a Breakaway torque is the maximum torque available to overcome occasional large loads such as a seized damper or valve. Motor must not be used continuously at this rating.

^b Stalling of 2 or 4 minute motor may damage drive shaft.

외형 및 치수 (단위 : mm)

