

TECHNICAL SPECIFICATIONS

Manual Controller Switches 40A, 600VAC, 1Ø & 3Ø

Typical Specifications

Manufacturer's Identification: Pass & Seymour® 7842MD

Description: Manual Controller, Double Pole, Single Phase

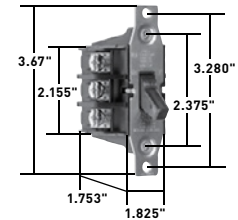
Rating: 40A, 600VAC max.

3rd Party Compliance: UL Listed, File Number E31169, Standard UL508, Industrial Control Equipment;

CSA Certified, File Number LR17949, Standard CSA-C22.23, No. 14, Industrial Control Equipment.

Conforms to NEMA WD-1 and WD-6.

CATALOG NUMBER	RATING			DESCRIPTION
□ 7842MD	General Use	2	120	Double Pole, Single Phase AC
	40 600Max.	5	240	Manual Motor Starting Switch
		10	480	(No overload protection)
		15	600	See Footnote 2
□ 7843MD	General Use	3	120	Three Phase, Three Pole AC
	40 600Max.	7.5	240	Manual Motor Starting Switch
		15	480	(No overload protection)
		20	600	See Footnote 2
□ 7801P				Handle Locking Guard has opening for padlock to secure control in either ON or OFF position.
□ 7806P				NEMA 1 Black Nylon Enclosure has baked-on gray enamel finish with 1/2" and 3/4" knockouts at each end.
□ 7830				NEMA 3R Aluminum Enclosure



7842MD
7843MD

All Industrial Control Equipment is suitable for use in a circuit capable of deliverable not more than 5,000 rms amperes at 600VAC maximum or equivalent.

Footnote: 2. Suitable as Motor Disconnect – 10KA @ 600VAC, 60A max. Class J Fuse or 100A max. Ferraz Shawmut HSJ Fuse

Performance

Electrical

Dielectric Withstand Voltage: 2000V Minimum

Maximum Working Voltage: 600VAC

Overload: 50 cycles, 132 Amps/600VAC .5 PF

Temperature Rise: 50°C maximum

Maximum Continuous Current: 30A

Endurance: 1000 Cycles, 44Amp/600VAC 0.5 PF
5000 Cycles, 30Amp/600VAC 0.75 PF

Mechanical

Terminal Accommodations: #14 AWG – #10 AWG copper or copper-clad wire

Environmental

Flammability: UL94 V2

Operating Temperature: Maximum continuous +75°C, minimum -40°C

Materials

Back Body:	Nylon	Terminal Screws:	Brass
Front Body:	Nylon	Leaf Springs:	Stainless Steel
Carrier:	Nylon	Coil Springs:	Zinc-Plated Steel
Toggle:	Nylon	Strap:	Zinc-Plated Steel
Contract Arm:	Brass	Rivets:	Brass
Terminals:	Brass	Contacts:	Silver Cadmium Oxide

Project
Location/Type