

Limit Switches

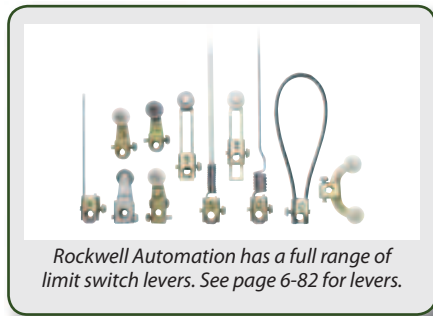


Pre-wired, Factory Sealed 802M & 802MC

- Harsh environment applications
- NEMA 4, 4X, 6P, and IP69k enclosure ratings
- Resistant to moisture and cleaning agents
- Submersible (802MC)
- Sealed, corrosion resistant versions with stainless steel shaft and hardware (802MC)
- Two- and four-circuit versions (only two-circuit for 802MC)
- Oil resistant cable on pre-wired models

For the Most Demanding Environments

The 802M and 802MC compact pre-wired limit switches are factory-sealed to meet the demanding requirements for NEMA Type 4, 4X, 6P, and IP67 enclosures. A large variety of operating heads and levers are available to suit a wide range of applications, especially where the switch may be subject to washdowns, steams of coolant, or occasionally submerged in fluids commonly found on machines or in industrial processes.



Rockwell Automation has a full range of limit switch levers. See page 6-82 for levers.

Castle-lock head design

Field convertible head to operate clockwise, counter-clockwise, or both

Patented Allen-Bradley three-way fluoroelastomer shaft seal

Stainless steel shaft and hardware (802MC models)

Diaphragm seal between operating head and switch body offers extra protection against contaminants when operating head is removed

Highly resistant seals on cover, cable entry, and wire strands prevent ingress of dust or fluids



Pre-wiring saves time and eliminates internal wiring

Limit Switches

Photoelectric



6-2...6-41

Proximity



6-42...6-69

Ultrasonic



6-70...6-73



6-74...6-87

Encoders



6-88...6-93

Condition Sensors



6-94...6-101



Product Selection

Pre-wired, Factory Sealed

Description	Torque/Force to Operate, Max.	Travel to Operate Contacts, Max.	Maximum Travel	Travel to Reset Contacts, Max.	Connection Type	Cat. No.
Lever type—spring return	0.34 N·m (3 lb·in.)	15°	86°	6°	1.5 m (5 ft) cable	802M-AY5
					5-pin mini QD	802M-AJ1
Lever type—spring return corrosion resistant					1.5 m (5 ft) cable	802MC-AY5
					5-pin mini QD	802MC-AJ1
Lever type neutral position—spring return (4 circuit)	CW: 0.79 N·m (7 lb·in.), CCW: 0.85 N·m (7.5 lb·in.)	16°	75°	7°	1.5 m (5 ft) cable	802M-NPY5
Push type—spring return top push rod	13.3 N (3 lb)	1.45 mm (0.057 in.)	5.26 mm (0.207 in.)	0.56 mm (0.022 in.)	1.5 m (5 ft) cable	802M-BY5
Push type—spring return top push roller	14.7 N (3.3 lb)					802M-DY5
Push type—spring return side push vertical roller	20 N (4.5 lb)	2.59 mm (0.102 in.)	5.1 mm (0.203 in.)	1.14 mm (0.045 in.)	1.5 m (5 ft) cable	802M-KY5



This catalog highlights only our most essential components; for a complete product selection, visit us at <http://ab.rockwellautomation.com/allenbradley/productdirectory.page>

Specifications

Certifications	UL Listed, CSA Certified, and CE Marked for all applicable directives
Enclosure Type Rating	NEMA 1, 4, 6P, 13 and IP67 (802MC also NEMA 4X)
Ambient Temperature [C (F)]	0...80 ° (32...180 °)

Required Cordsets & Accessories

Description	Cat. No.
Mini plus QD cordset, straight, 5-pin, 1.8 m (6 ft)	889N-F5AFC-6F

RFID



6-102...6-103

For more information on our complete family of limit switch products, please visit: <http://ab.rockwellautomation.com/Sensors-Switches/Limit-Switches>

