E47 Precision Switches



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E47 Precision Switches

Product Description

E47 Precision Switches from Eaton's electrical sector provide high accuracy switching at an affordable price. A variety of standard features, such as current capacity, operating force. travel characteristics and actuators, lets you custom fit the switch to your application.

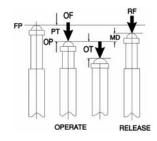
The switches are available in their compact basic form, or enclosed in a rugged, metal housing.

Features

- · Compact housings are ideal for use where space is restricted
- Precision, snap-action operators provide accurate repeatability of electrical and mechanical operating characteristics
- · High current capacity (up to 20A) allows power load switching and motor handling capability
- Enclosed booted versions shield actuators from debris

Operating Characteristics

Definitions



- OF—Operating Force
- RF—Return Force
- PT—Pre-Travel
- OT—Over-Travel
- MD—Movement Differential
- FP—Free Position
- OP—Operating Position

Standards and Certifications

- UL Recognized
- **CSA Certified**
- CE
- RoHS











DANGER

THIS SENSOR IS NOT A SAFETY DEVICE AND IS NOT INTENDED TO BE USED AS A SAFETY DEVICE. This sensor is designed only to detect and read certain data in an electronic manner and perform no use apart from that, specifically no safetyrelated use. This sensor product does not include self-checking redundant circuitry, and the failure of this sensor product could cause either an energized or de-energized output condition, which could result in death, serious bodily injury, or property damage.

For the most current information on this product, visit our Web site: www.eaton.com

For Customer Service in the U.S. call 1-877-ETN CARE (386-2273), in Canada call 1-800-268-3578. For Application Assistance in the U.S. and Canada call 1-800-426-9184.

Product Selection

Basic Switches

E47 Precision Switches—Basic

	Туре	Specifications ①	15A Catalog Number	20A Catalog Number
Pin Plunger	Pin Plunger			
E47BMS01	Screw terminal	OF max.—12.3 oz (350g) RF max.—4.02 oz (114g) PT max.—0.016 in (0.4 mm)	E47BMS01	E47CMS01
ELM STO	Solder terminal	OT max.—0.005 in (0.13 mm) MD max.—0.002 in (0.05 mm) OP—0.626 in (15.9 mm)	E47BML01	E47CML01®
Extended Plunger	Extended Plunger			
	Screw terminal	OF max.—12.3 oz (350g) RF max.—4.02 oz (114g) PT max.—0.016 in (0.4 mm)	E47BMS03	_
E478M503	Solder terminal	— OT max.—0.063 in (1.6 mm) MD max.—0.002 in (0.05 mm) OP—1.11 in (28.2 mm)	E47BML03	_
Straight Plunger	Straight Plunger			
	Screw terminal	OF max.—12.3 oz (350g) RF max.—4.02 oz (114g) PT max.—0.016 in (0.4 mm)	E47BMS02	E47CMS02
EATBINSON (E	Solder terminal	— OT max.—0.063 in (1.6 mm) MD max.—0.002 in (0.05 mm) OP—0.846 in (21.5 mm)	E47BML02	E47CML02
Reversed Lever	Reversed Lever			
1 - 10 mg	Screw terminal	OF max.—5.29 oz (150g) RF max.—0.49 oz (14g) — PT max.—0.16 in (4 mm)	E47BMS21	_
E47BMS21 (4 PA @	Solder terminal	OT max.—0.063 in (1.6 mm) MD max.—0.051 in (1.3 mm) — FP max.—0.81 in (20.6 mm)	E47BML21	_
	Spade terminal	OP—0.685 in (17.4 mm)	E47BMT21	_
Straight Lever	Straight Lever			
	Screw terminal	OF max.—2.47 oz (70g) RF min.—0.49 oz (14g) PT max.—0.394 in (10 mm) — OT max.—0.220 in (5.6 mm)	E47BMS22	E47CMS22
E47BM522 (4 RJ @	Solder terminal	MD max.—0.051 in (1.3 mm) FP max.—1.11 in (28.2 mm) OP—0.748 in (19 mm)	E47BML22	_
Standard Lever	Standard Lever			
E478MS20	Screw terminal	OF max.—3.53 oz (100g) RF min.—0.99 oz (28g) PT max.—0.197 in (5.0 mm) — OT max.—0.079 in (2.0 mm)	E47BMS20	_
F.7.44 . FL &	Solder terminal	MD max.—0.073 in (2.0 mm) FP max.—0.976 in (24.8 mm) OP—0.748 in (19 mm)	E47BML20	_
Extended Straight	Extended Straight Plunger			
Plunger	Screw terminal	OF max.—12.3 oz (350g) RF max.—4.02 oz (114g) PT max.—0.016 in (0.4 mm)	E47BMS04	E47CMS04
	Screw terminal (with space lugs)	OT max.—0.217 in (5.5 mm) MD max.—0.002 in (0.05 mm) OP—0.858 in (21.8 mm)	E47BMT04	_
E478M504	Solder terminal	_	E47BML04	E47CML04

Notes

- ① OF = Operating Force; RF = Return Force; PT = Pre-Travel; OT = Over-Travel; MD = Movement Differential; FP = Free Position; OP = Operating Position.
- ② Contact Eaton's Sensor Applications Department at 1-800-426-9184 for approval status.