

## E47 Precision



## Features

- The cost-effective solution for highly accurate switching applications
- 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 boot versions (shown on the left, in gray) shield actuators from debris
- Solder and spade terminals available
- 15A models shown, 20A models also available

## Product Selection

## E47 Precision

## Basic Switches

Description	Type	Catalog Number 15A	Specifications ①
Straight lever	Screw terminal	<b>E47BMS22</b>	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)
			MD max.—0.051 in (1.3 mm)
			FP max.—1.11 in (28.2 mm)
Standard lever	Screw terminal	<b>E47BMS20</b>	OP—0.748 in (19 mm)
			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)
			MD max.—0.039 in (1.0 mm)
Cross roller plunger	Screw terminal	<b>E47BMS11</b>	FP max.—0.976 in (24.8 mm)
			OP—0.748 in (19 mm)
			OF max.—12.3 oz (350g)
			RF max.—4.02 oz (114g)
			PT max.—0.016 in (0.4 mm)
			OT max.—0.14 in (3.58 mm)
Extended roller lever	Screw terminal	<b>E47BMS42</b>	MD max.—0.002 in (0.05 mm)
			OP—1.315 in (33.4 mm)
			OF max.—5.64 oz (160g)
			RF min.—0.78 oz (22g)
			PT max.—0.28 in (7.1 mm)
			OT max.—0.16 in (4 mm)
Roller lever	Screw terminal	<b>E47BMS30</b>	MD max.—0.04 in (1.02 mm)
			FP max.—1.437 in (36.5 mm)
			OP—1.189 in (30.2 mm)
			OF max.—5.64 oz (160g)
			RF min.—1.48 oz (42g)
			PT max.—0.106 in (2.7 mm)
			OT max.—0.094 in (2.4 mm)
			MD max.—0.02 in (0.5 mm)
			FP Mmax.—1.28 in (32.5 mm)
			OP—1.189 in (30.2 mm)

## Enclosed Switches

Description	Catalog Number	Specifications ①
Roller lever	<b>E47BLS32</b>	OF max.—20.1 oz (570g)
		RF min.—6.0 oz (1700g)
		PT max.—0.157 in (4.0 mm)
		OT max.—0.236 in (6.0 mm)
		MD max.—0.016 in (0.4 mm)
Booted roller lever	<b>E47BLS33</b>	OF max.—22.57 oz (640g)
		RF min.—8.11 oz (230g)
		PT max.—0.197 in (5.0 mm)
		OT max.—0.236 in (6.0 mm)
Booted roller plunger	<b>E47BLS08</b> <b>E47BLS12</b> (cross roller unit)	MD max.—0.016 in (0.4 mm)
		OF max.—17.64 oz (500g)
		RF min.—3.53 oz (100g)
		PT max.—0.039 in (1.0 mm)
		OT max.—0.138 in (3.5 mm)
Booted wobble	<b>E47BLS14</b>	MD max.—0.005 in (0.12 mm)
		OP—1.957 in (49.7 mm)
		OF max.—2.11 oz (60g)
		RF min.—0.88 oz (25g)
		PT max.—0.520 in (13.2 mm)
		OT max.—0.315 in (8.0 mm)
		MD max.—0.039 in (1.0 mm)

## Note

- ① OF = Operating Force; RF = Return Force; PT = Pre-Travel; OT = Overtravel; MD = Movement Differential; FP = Free Position; OP = Operating Position.

## Compact Prewired



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## Features

- Rugged and dependable compact limit switch
- Rugged aluminum alloy die cast housing
- Sealed construction with enclosure ratings of Type 4, 6 and 13
- Prewired with 3m of 18 AWG, AWM 2517, 300V cable
- Stackable ridge for ganged operation

## Product Selection

## Compact Prewired

## Compact Prewired

Actuator Type	Operating Force (Maximum)	Reset Force (Minimum)	Overtravel (Minimum)	Pre-Travel	Movement Differential (Maximum)	Operating Position	Catalog Number
Pin plunger	42.3 oz (1.2 kg)	15.9 oz (450g)	0.118 in (3 mm)	0.07 in (1.8 mm)	0.008 in (0.2 mm)	0.62 ± 0.04 in (15.7 ± 1 mm)	<b>E47BCC05</b>
Sealed plunger	63.5 oz (1.8 kg)	15.9 oz (450g)	0.118 in (3 mm)	0.07 in (1.8 mm)	0.008 in (0.2 mm)	0.99 ± 0.04 in (24.9 ± 1 mm)	<b>E47BCC06</b>
Roller plunger	42.3 oz (1.2 kg)	15.9 oz (450g)	0.118 in (3 mm)	0.07 in (1.8 mm)	0.008 in (0.2 mm)	1.12 ± 0.04 in (28.5 ± 1 mm)	<b>E47BCC07</b>
Sealed roller plunger	63.5 oz (1.8 kg)	15.9 oz (450g)	0.118 in (3 mm)	0.07 in (1.8 mm)	0.008 in (0.2 mm)	1.35 ± 0.04 in (34.3 ± 1 mm)	<b>E47BCC08</b>
Cross roller plunger	42.3 oz (1.2 kg)	15.9 oz (450g)	0.118 in (3 mm)	0.07 in (1.8 mm)	0.008 in (0.2 mm)	1.12 ± 0.04 in (28.5 ± 1 mm)	<b>E47BCC11</b>
Sealed cross roller plunger	63.5 oz (1.8 kg)	15.9 oz (450g)	0.118 in (3 mm)	0.07 in (1.8 mm)	0.008 in (0.2 mm)	1.35 ± 0.04 in (34.3 ± 1 mm)	<b>E47BCC12</b>
Bevel plunger	42.3 oz (1.2 kg)	15.9 oz (450g)	0.118 in (3 mm)	0.07 in (1.8 mm)	0.008 in (0.2 mm)	1.12 ± 0.04 in (28.5 ± 1 mm)	<b>E47BCC13</b>
Roller lever	20.5 oz (580g)	5.3 oz (150g)	40°	25° max.	3°	—	<b>E47BCC15</b>
Wobble stick	5.3 oz (150g)	—	—	15° max.	—	—	<b>E47BCC20</b>