9mm Size Metal Shaft Encoder

 Compact size and round shape requires 50 % less mounting surface than our conventional products (11mm size encoder

• Round shape enables various designs for illuminated

• Compact size of 9.5 mm delivers high resolution, 15

• Also available with push switch (0.5mm or 1.5mm travel)

EC09E Series

Features

series).

functions.

pulse/30 detent.

and without push switch.

Typical Specifications

Items

A compact 9.5mm size and round shape reduced the mounting surface.

Car Use

• Level controls for car audio and car navigation system.

• Controls for image/sound devices, including DVD players,

mini component stereos, CD players and portable audio

Various controls for devices in automotive

Applications

players

Specifications

10mA 5V DC

15,000 cycles

Power

Push

Slide

Rotary

Encoders

Jog Shuttle Telephone -hook

Detector

Vibration Sensors Dual-in-line

Package Type Multi Control Devices

TACT Incremental type.

Incremental Type Absolute

Туре

Products Line

Operating life

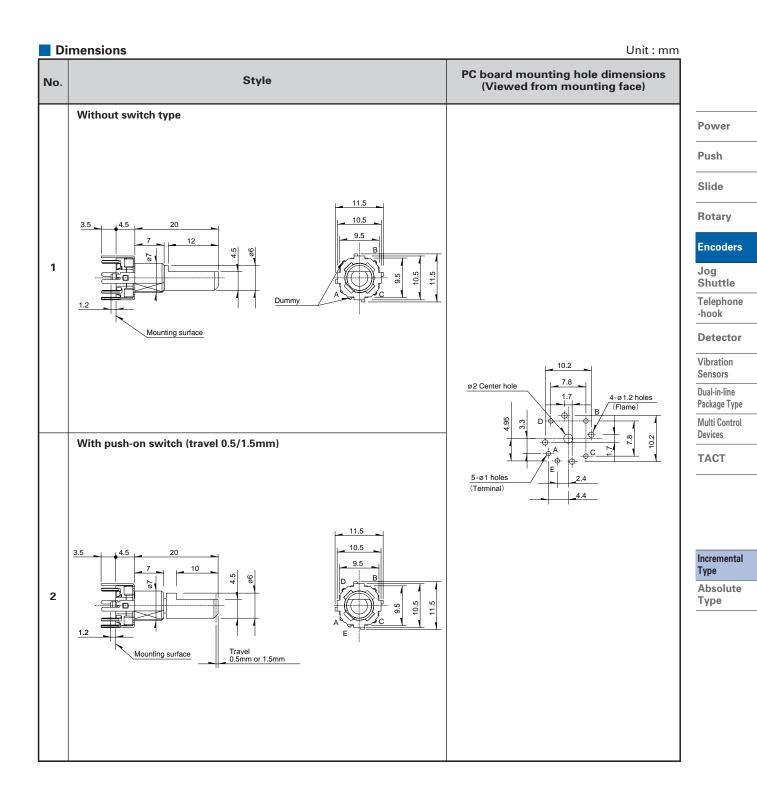
Rating

Operating section	Length of operating section	Detent torque	Number of detent	Resolution	Operating	Push-on	Travel of push-on switch	Minimum packing unit	Products No.	Drawing No .
300000	(mm)	torque	or asterit		direction	switch	(mm)	(pcs.)	110.	140.
Flat	20	8±5 mN∙m	30	15	Vertical	Without		700	EC09E1520402	1
						With	0.5		EC09E1524405	2
							1.5		EC09E1524404	

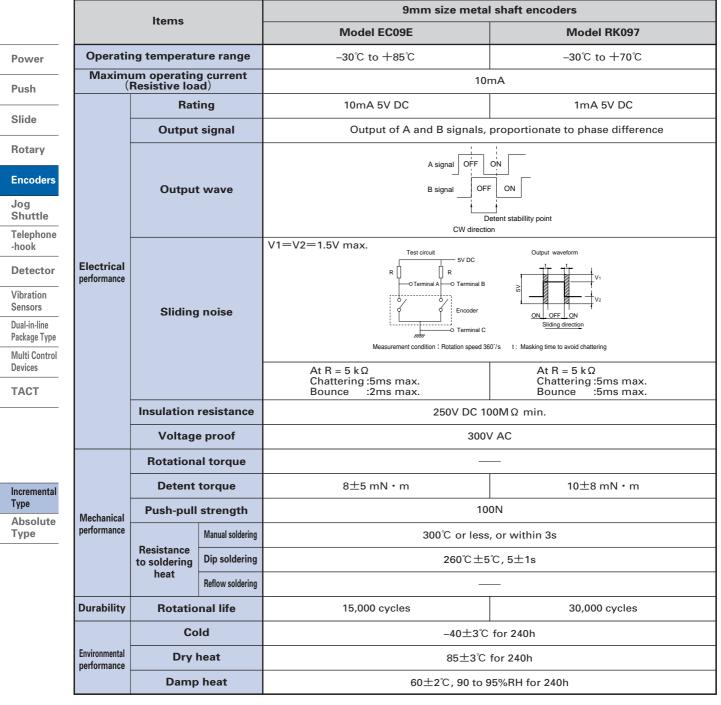
Note

Additional products other than listed above are also available. Contact our Sales Department for other products.





Products Specifications



Push-on Switch Specifications

ltems	9mm size metal shaft encoders							
Items	Model	EC09E	Model RK097					
Switch circuit \cdot the number of contact	Single pole and single throw (Push-on)							
Travel of switch	0.5±0.3mm	1.5±0.5mm	$0.5^{+0.7}_{-0.3}\mathrm{mm}$	1.5±0.5mm				
Operating force of switch	6 ^{+2.5} ₋₂ N	4±2N	4 ⁺⁴ ₋₂ N	5±2N				
Rating	10mA	5V DC	10mA 12V DC					
Contact resistance	100m Ω for initial period; 200m Ω after rotational life.							
Operating life		20,000 times min.						

