

Encoders with Push-On Switch

ALPS

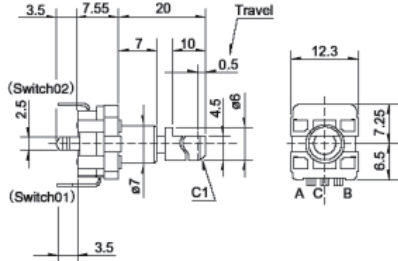
Features:

- Compact and highly reliable, sliding contact type.
- 4.5mm-body height with a 1.5mm-travel push switch is available.
- Incremental type.

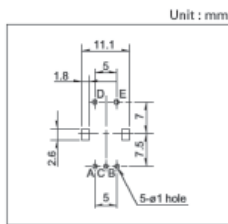
Applications:

- Level controls for car audio and car navigation system.
- Various controls for devices in automotive
- Controls for image/sound devices, including DVD players, mini component stereos, CD players and portable audio players

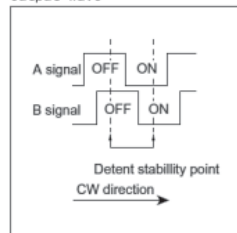
EC11B15244A7



PC board Mounting Hole Dimensions (Viewed from Mounting Face)

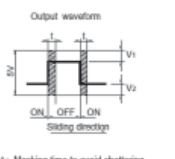
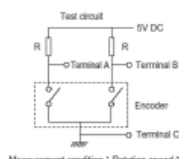


Output Wave



Sliding Noise

V1=V2=1.5V max.



Measurement condition: Rotation speed 360°/s. t: Masking time to avoid chattering

At R = 5kΩ
Chattering :2ms max.
Bounce :2ms max.

At R = 5kΩ
Chattering :3ms max.
Bounce :2ms max.

Technical parameters		EC11B15244A7		
Spindle (diameter/length)		6mm/20mm, metal		
Number of detent		30		
Resolution		15		
Travel		0,5mm		
Rating		5Vdc/10mA		
Rating of Switch		16Vdc/3A		
Operating life		15000 cycles		

Part No.	Ord.No	1+	3+	20+
S EC11B15244A7	56494	2,27	2,16	2,00

STEC Series - 11mm



B01...02

B03...04

B09

B13

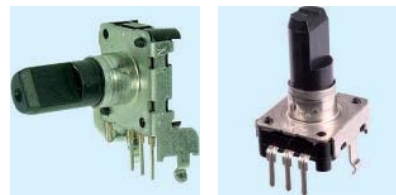
Technical parameters	STEC 11B
Size	11x11mm
Travel	0,5mm
Rating	5Vdc/ 10mA
Rating of Switch	16Vdc/3A

Part No.	Description
STEC11B01	Horiz. 15pulses/30detens, Spindle:6/25mm-slotted, Push-On Switch
STEC11B02	Horiz. 15pulses/30detens, Spindle:6/25mm-slotted
STEC11B03	Vertic.15pulses/30detens, Spindle:6/25mm-slotted, Push-On Switch
STEC11B04	Vertical 115pulses/30detens, Spindle:6/25mm-slotted
STEC11B09	Horiz. 20pulses/20detens, Spindle: 6/20mm flat, Push-On Switch
STEC11B13	Vertical 20pulses/20detens, Spindle: 6/20mm flat

Part No.	Ord.No	1+	3+	10+
S STEC11B01	70226	2,27	2,17	2,01
S STEC11B02	70227	2,05	1,96	1,82
S STEC11B03	70228	2,19	2,08	1,91
S STEC11B04	70229	2,05	1,96	1,82
S STEC11B09	70230	2,26	2,15	1,99
S STEC11B13	70231	1,82	1,73	1,59

STEC Series -12mm

ALPS



Technical parameters	STEC 12E
Size	12x12mm
Travel	0,5mm
Rating	5Vdc/ 0,5mA
Rating of Switch	5Vdc/1mA

Part No.	Description
STEC12E05	Horiz. 24pulses/24detens, Spindle: 6/20mm flat
STEC12E06	Horiz. 24pulses/24detens, Spindle: 6/20mm flat, Push-On Switch
STEC12E07	Vertical 24pulses/24detens, Spindle: 6/20mm flat
STEC12E08	Vertical 24pulses/24detens, Spindle: 6/20mm flat, Push-On Switch

Part No.	Ord.No	1+	3+	10+
O STEC12E05	70232	1,98	1,89	1,75
O STEC12E06	70233	2,15	2,05	1,90
		1+	5+	25+
S STEC12E07	70234	0,68	0,63	0,57
		1+	3+	10+
S STEC12E08	70235	1,55	1,47	1,35