

12mm Rotary Encoder

Type DP12 Series



12mm Rotary incremental encoder for use in electronic equipment. Can be supplied with or without switch with customisation to standard options.

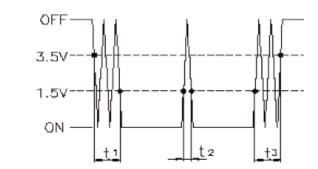
Key Features

- 12mm Rotary Encoder
- Incremental Type
- Push on Switch Option
- Various Shaft Lengths
- Pulse Options
- Detent Options

Type DP12 Series

Characteristics -Electrical

12 & 24
0.5mA 5VDC
300VAC / 1mA, 1 minute
100M ohms at 250VAC
60 RPM
5VDC, 10mA (1mA Min)
100m ohm Max
Continuous
t2 = 2.0 ms max (see below)
t1 & t3 = 3.0 ms max (see below)



Code Off area V = 3.5V or more. Code on area V=1.5V or less

Characteristics -Mechanical

Total Mechanical Travel:	Continuous
Detents:	0, 12, 24
Switch Operating Force:	500+/- 100gf
Switch Travel:	0.5mm
Shaft Type:	F – Flatted
Shaft Length (from Mounting Surface):	17.5, 20, 22.5, 25

Characteristics -Environmental

Operating Temperature	-30 ~ +70 degrees C	
Rotational Life	15,000 Cycles	

Output Signal Format

Shaft Rotational Direction	Signal	Format
Clockwise	A (Terminal A-C)	OFF
CIUCKWISE	B (Terminal B-C)	OFF
A sticle should be	A (Terminal A-C)	OFF ON
Anticlockwise	B (Terminal B-C)	OFF

Dimensions are shown for reference purposes only.

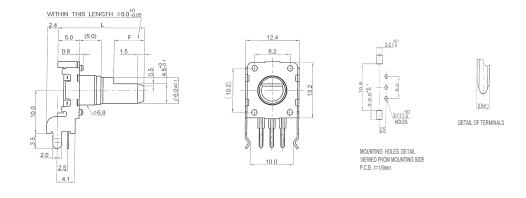
Dimensions are in millimetres unless otherwise specified. Specifications subject to change.



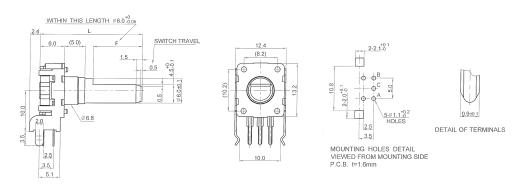
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Dimensions DP12H



DP12SH



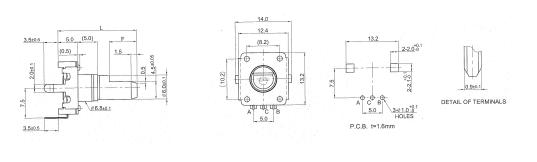
Literature No. 1773449-9 Issued: 02-08 Dimensions are shown for reference purposes only.

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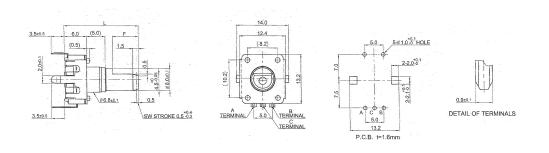


Type DP12 Series

Dimensions DP12V



DP12SV



Shaft Leng	th			
L	17.5	20	22.5	25
F	5	7	7	12

How to Order	r					
DP12	н	N	12	A	20	F
Common Part	Orientation	Detent	Pulses	Bush Details	Shaft Length	Shaft Style
DP12 – No Switch DP12S – With Switch	H - Horizontal V - Vertical	N - None 12 – 12 clicks 24 – 24 Clicks	12 – 12 Pulses 24 – 24 Pulses	A – 5mm V & H Standard	17.5 – 17.5mm 20 – 20mm 22.5 – 22.5mm 25 – 25mm	F - Flatted

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TE Connectivity: DP12SVN24A20F