

16mm Rotary Encoder

Type DP16 Series

16mm Rotary incremental encoder for

Can be supplied with customisation to

16mm Rotary EncoderIncremental Type

Various Shaft Lengths

use in electronic equipment.

standard options

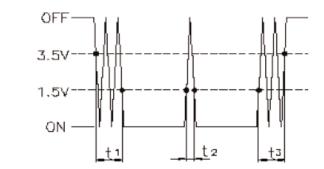
Key Features

Pulse OptionsDetent Options

Characteristics -Electrical

Type DP16 Series

Pulses:	12 & 24		
Contact Rating:	5VDC @ 5mA		
Dielectric Strength:	50VAC / 1mA, 1 minute		
Insulation Resistance (min):	10M ohms at 50VDC		
Operating Speed (RPM):	60 RPM		
Electrical Travel:	Continuous		
Rotational Noise:	t2 = 2.0 ms max (see below)		
Chattering:	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

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Total Mechanical Travel:	Continuous
Detents:	0, 12, 24
Shaft Type:	F – Flatted
Shaft Length (from Mounting Surface):	15, 20, 25

Characteristics -Environmental

Operating Temperature	-10 ~ +70 degrees C
Rotational Life	15,000 Cycles

Output Signal Format

Shaft Rotational Direction	Signal	Format
Clockwise	A (Terminal A-C)	
	B (Terminal B-C)	
Anticlockwise	A (Terminal A-C)	
	B (Terminal B-C)	OFF

Literature No. 1-1773449-1 Issued: 02-08

Dimensions are shown for reference purposes only.

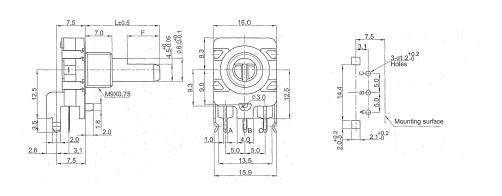
Dimensions are in millimetres unless otherwise specified. Specifications subject to change.



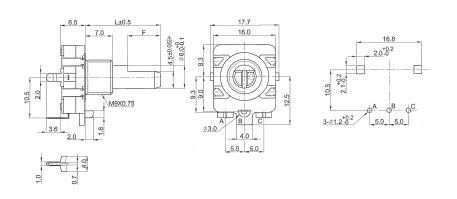
16mm Rotary Encoder

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Dimensions DP16H



DP16V



Shaft Length

L	15	20	25
F	7	12	12

How to Order	r					
DP16	н	N	12	Α	15	F
Common Part	Orientation	Detent	Pulses	Bush Details	Shaft Length	Shaft Style
DP16 – No Switch	H - Horizontal V - Vertical	N - None 12 – 12 Clicks 24 – 24 Clicks	12 – 12 Pulses 24 – 24 Pulses	A – 5mm B – 7mm	15 – 15mm 20 – 20mm 25 – 25mm	F - Flatted

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Mouser Electronics

Authorized Distributor

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TE Connectivity: DP16VN24A20F