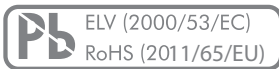


Product description

MAIN FEATURES

- › Gray coding 16 positions
- › Switching mode: Shorting
- › Switching torque: 3 Ncm
- › Body size: 10 x 11 x 9.1 mm
- › THT
- › Switching cycles: 15'000
- › Operating temperature range: -40 to +85 °C

**C16**

PRODUCT VARIETY

- Detent angle 20°, 16 positions, with end stop
- Detent angle 22.5°, 16 positions, endless rotating

POSSIBLE CUSTOMIZATIONS

- Shaft dimension, shape and material

TYPICAL APPLICATION

- Frequency and channel selection for two way radios
- Other miniaturized mobile applications

Specifications

MECHANICAL DATA

Detent angle positions:	20° detent angle 16 positions 22.5° detent angle 16 positions
Rotary limitation end stop:	20°: With end stop 22.5°: Without end stop
Switching torque:	3 Ncm (±30 % in new condition)
Rotational life:	> 15'000 cycles (tested at room temperature)
Allowed shaft load:	150 N push and 100 N pull
Rotational stop strength:	> 65 Ncm
Fastening torque of nut (front panel mounting):	M7 x 0.75: < 100 Ncm

ELECTRICAL DATA

Electrical connection:	Pins 0.15 x 1 mm
Switching voltage:	< 10 VDC (resistive load)
Switching current:	< 10 mA (resistive load)
Contact resistance:	< 1 Ω
Signal coding:	Gray
Switching mode:	Shorting
Dielectric strength:	250 VAC during 60 s (pin-to-pin, pin-to-housing)
Insulation resistance:	> 100 MΩ at 500 VDC (pin-to-pin, pin-to-housing, in new condition)

MATERIALS

Shaft:	Stainless steel 1.4305
Bushing housing:	Zinc die casting (nickel plated)

ENVIRONMENTAL DATA

Operating temperature:	-40 to +85 °C (IEC 60068-2-14)
Storage temperature:	-65 to +125 °C (IEC 60068-2-14, MIL-STD202G, method 107G, condition B-3)
Humidity:	< 93 % relative humidity (MIL-STD-202G, method 103B, condition B)
IP sealing against front panel:	IP67 only shaft sealing
Vibration:	10 G _{RMS} at 50 to 2'000 Hz (MIL-STD-202G, method 214A, duration 15 min)

SOLDERING CONDITIONS

Hand soldering:	< 350 °C during 3 s
Wave soldering:	< 270 °C during 5 s

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Please contact our sales team for more details.

China: +86 21 5866 5908
 France: +33 388 56 72 50

Germany: +49 7231 97 34 0
 Israel: +972 3 930 50 25

Singapore: +65 6479 8552
 Switzerland: +41 44 933 41 11

United Kingdom: +44 1234 838 822
 United States: +1 510 656 3400