



Carbon Rotary Potentiometers - 20 mm size Singles with Rotary Switch

Types
CIP20C IL
P20C IL
CIP20C 2IL
P20C 2IL

Mechanical data

Rotation angle: $300^\circ \pm 5^\circ$
Operating torque: 0.4 ± 1.5 Ncm
Permissible torque at end stop: 80 Ncm max
Permissible axial spindle load: 100 N
(5 sec max)
Tap: Z2 at 52% of rotation

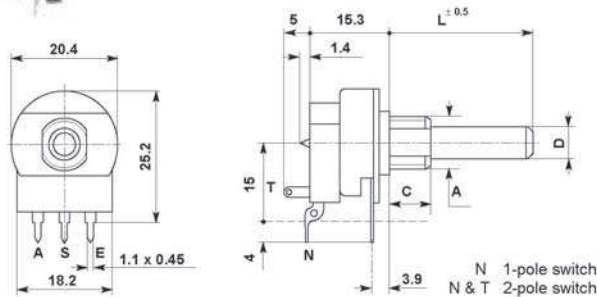
Rotary switch:

Switching angle: $30^\circ \pm 5^\circ$
Operating torque: 2 ± 5 Ncm
Weight, std. spindle: ~ 13 g

Electrical data

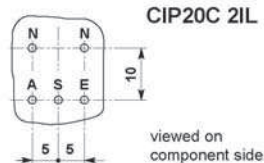
Rated dissipation @ 40°C : 0.4 W linear law
0.2 W non-linear law
Limiting element voltage: 500 VDC
Insulation resistance: ≥ 5 G Ω
Insulation voltage: 1000 VAC
Rated resistance: E3 Series; optional E6 Series
• linear law: 100R to 4M7
• non-linear law: 1K0 to 2M2
Tolerance on rated resistance:
• 100R to 1M0: $\pm 20\%$
• over 1M0: $\pm 30\%$
• optional (1K0 to 1M0): $\pm 10\%$
Resistance law: A, B, C, F, S, T, X
• with tap: A2, B2

Switch: 1-pole (SPST); 2-pole (DPST)
Breaking capacity: 1.5 A-250 VAC resist. load
5A - 24 VDC



Standard spindle & bush

L = 50 mm, plastic, F1 type
D = 6 mm
A = M10x0.75, plastic, KC type
C = 8 mm



Types

CIP20C IL	1-pole switch - P.c. terminations
P20C IL	1-pole switch - Solder tag terminations
CIP20C 2IL	2-pole switch - P.c. terminations
P20C 2IL	2-pole switch - Solder tag terminations

Spindle and bushing variations

D mm	A mm	Available types		
		Bush	Plastic Spindle	Metal Spindle
6	M10x0.75	KC, C, CE, CEBS	Fixed Plug-in	Fixed
4	M10x0.75 M7x0.75	C, CE C, CE	Fixed	Fixed

Spindle and bushing details, chassis piercing: see p. 108 to 111
Normalised spindles: see p. 112

Radial