



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

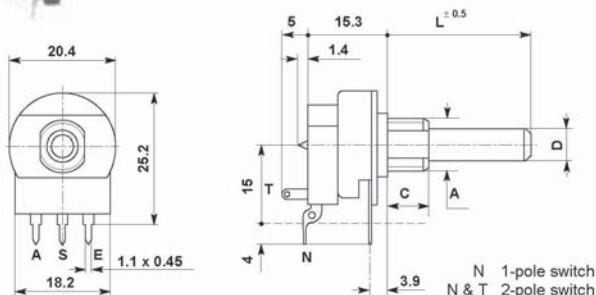
Rotary switch:

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

Electrical data

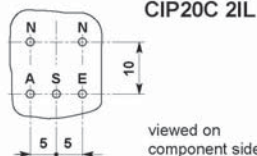
Rated dissipation @ 40°C : 0.4 W linear law
 0.2 W non-linear law
 Limiting element voltage: 500 VDC
 Insulation resistance: ≥ 5 G Ω
 Insulation voltage: 1000 VAC
 Rated resistance: E3 Series; optional E6 Series
 • linear law: 100R to 4M7
 • non-linear law: 1K0 to 2M2
 Tolerance on rated resistance:
 • 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



CIP20C 2IL

viewed on component side

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