



## Carbon Rotary Potentiometers - 20 mm size Singles

Types  
CIP20C  
P20C

### Mechanical data

Rotation angle:  $300^\circ \pm 5^\circ$   
Operating torque:  $0.4 \div 1.5$  Ncm  
Permissible torque at end stop: 80 Ncm max  
Permissible axial spindle load: 100 N  
(5 sec max)  
Tap: Z2 at 50% or 57% of rotation  
Weight, std. spindle: ~ 11 g

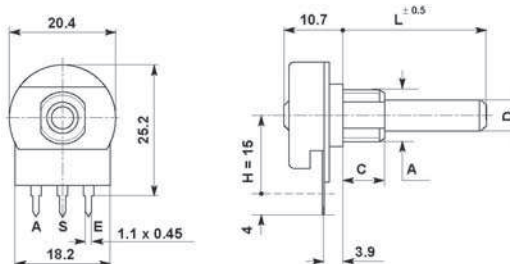
### Electrical data

Rated dissipation @  $40^\circ\text{C}$ : 0.4 W linear law  
0.2 W non-linear law  
Limiting element voltage: 500 VDC  
Insulation resistance:  $\geq 5$  G $\Omega$   
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, S2



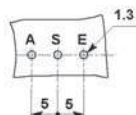
### Types

|        |                         |
|--------|-------------------------|
| CIP20C | P.c. terminations       |
| P20C   | Solder tag terminations |



### Standard spindle & bush

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



H = 22 optional

CIP20C

viewed on  
component side

### Spindle and bushing variations

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

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

Normalised spindles: see p. 112.