



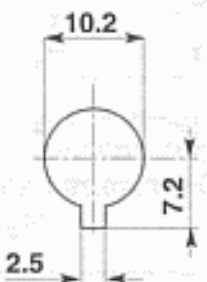
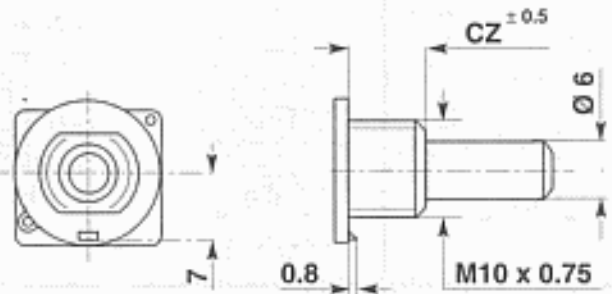
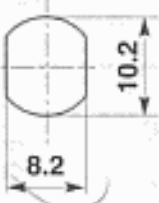
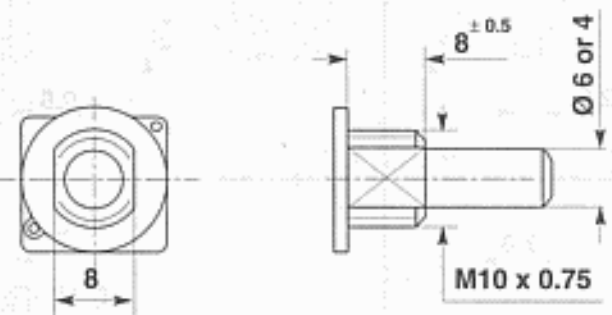
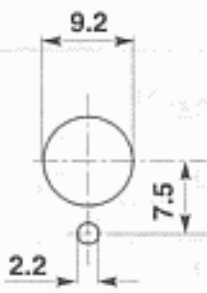
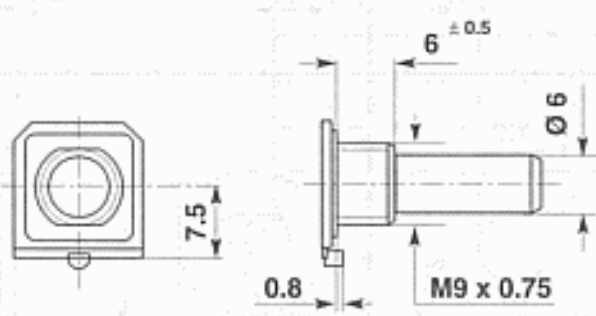
Mounting Bushes - M7

Type		Chassis piercing	C - CZ			
			std.	option.		
C	Metal				6	9
CE	Metal				6	9
CEP	Metal				4.5	8
CZ	Metal				5	8
KZ	Plastic					12

Available bushes are specified on the pages describing each potentiometer type.

Potentiometers with bush are supplied with a nut, not mounted.

Mounting Bushes - M10 & M9

Type		Chassis piercing	CZ		
			std.	option.	
CZ	Metal			8	5 12
KZ	Plastic				
ZKC	Metal				
KC	Plastic				
C9	Plastic				

Available bushes are specified on the pages describing each potentiometer type.

Potentiometers with bush are supplied with a nut, not mounted.



Carbon Rotary Potentiometers - 16 mm size



Spindle variations - 6 mm diameter	Available types	
	Plastic	Metal
<p>$D = 6^{+0.01}_{-0.075}$</p> <p>Mounting face</p> <p>$L \pm 0.5$</p> <p>L = 15 to 60</p>	F1	M1
<p>$D = 6^{+0.01}_{-0.075}$</p> <p>12</p> <p>4 $^{-0.1/0}$</p> <p>$L \pm 0.5$</p> <p>spindle in full CCW position</p> <p>205°</p> <p>Optional 210° Optional 225°</p> <p>standard</p> <p>L = 15 to 60</p>	F2	M2
<p>$D = 6^{+0.01}_{-0.075}$</p> <p>A</p> <p>5 $^{+0.03}_{-0.05}$</p> <p>$L \pm 0.5$</p> <p>spindle in full CCW position</p> <p>205°</p> <p>Optional 210° Optional 225°</p> <p>standard</p> <p>A = 15 - L = 20 to 60 A = 10 - L = 15 to 60</p>	F3 A = 15	M3 A = 15
	F4 A = 10	M4 A = 10
<p>$D = 6^{+0.01}_{-0.075}$</p> <p>A</p> <p>4.6 $^{+0.03}_{-0.05}$</p> <p>$L \pm 0.5$</p> <p>spindle in full CCW position</p> <p>205°</p> <p>A = 10 - L = 15 to 60 A = 15 - L = 20 to 60 A = 20 - L = 25 to 60</p>	F10 A = 10	M10 A = 10
	F11 A = 15	M11 A = 15
	F12 A = 20	M12 A = 20

The orientation of the flat indicated in the drawings is for plastic spindles only. The optional orientations of 210° and 225° place the flat in horizontal position (zero degrees) at half of rotation angle, respectively in potentiometers with 300° and 270° of rotation angle.

For metal spindles, unless specified in the order, the orientation of the flat may change in each potentiometer.



Carbon Rotary Potentiometers - 16 mm size



Spindle variations - 6 mm diameter		Available types	
		Plastic	Metal
<p>Mounting face slot 3.5 x 1.2 D = 6 L ± 0.5 A ± 0.1</p> <p>100° D = 6 18 Teeth 20°</p> <p>90° D = 6 24 Teeth 75°</p> <p>A = 10 or 6 L = 10 to 60</p>		F5 18 teeth	NOT
<p>D = 6 1.6 M7 x 0.75 18 teeth A L ± 0.5 2</p> <p>225° D = 6 90° spindle in full CCW position</p> <p>A = 7,5 L = 15* to 25 A = 12,5 L = 20* to 30</p> <p>210° for P162 types</p>		F31 A = 7.5	M31 A = 7.5
<p>D = 6 A 2.5 M7 x 0.75 4.5 L ± 0.5</p> <p>225° spindle in full CCW position</p> <p>A = 7 L = 15* to 25 A = 12 L = 20* to 30</p> <p>210° for P162 types</p>		F33 A = 7	M33 A = 7
<p>D = 6 12.5 2 M7 x 0.75 40 teeth L ± 0.5</p> <p>Index 45° spindle in full CCW position</p> <p>L = 20* to 30</p> <p>30° for P162 types</p>		F35	M35

* Bush lengths: 4,5 mm or 5 mm.

Available spindles are specified on the pages describing each potentiometer type.



Carbon Rotary Potentiometers - 16 mm size



Spindle variations - 4 mm diameter		Available types	
		Plastic	Metal
<p>$D = 4^{+0.03}_{-0.05}$</p> <p>$L \pm 0.5$</p> <p>$L = 8 \text{ to } 60$</p>		F21	M21
<p>$D = 4^{+0.03}_{-0.05}$</p> <p>$L \pm 0.5$</p> <p>A</p> <p>3 ± 0.05</p> <p>spindle in full CCW position</p> <p>90°</p> <p>standard optional</p> <p>$A = 8.5 \quad L = 11 \text{ to } 60$ $A = 13.5 \quad L = 16 \text{ to } 60$</p>		F22 A = 8.5	M22 A = 8.5
<p>$D = 4^{+0.03}_{-0.05}$</p> <p>$L \pm 0.5$</p> <p>A</p> <p>1.5</p> <p>6</p> <p>1</p> <p>10 ± 0.5</p> <p>M7 x 0.75</p> <p>225°</p> <p>spindle in full CCW position</p>		F25	M25
Separate Concentric Spindle		Type	
<p>$D2 = 6^{+0.01}_{-0.05}$</p> <p>$D1 = 4^{+0.01}_{-0.05}$</p> <p>$L2 \pm 0.5$</p> <p>$L1 \pm 0.5$</p> <p>6.5</p> <p>2.5</p> <p>slot position undetermined</p> <p>$L1 = 60 \text{ max}$ $L2 = 50 \text{ max}$</p>		M15	Metal

The orientation of the flat indicated in the drawings is for plastic spindles only. For metal spindles, unless specified in the order, the orientation of the flat may change in each potentiometer.

Available spindles are specified on the pages describing each potentiometer type.



Carbon Rotary Potentiometers - 16 mm size



Normalised plastic spindles

Standard types & lengths

Potentiometer types	D mm	Spindle types	Normalised lengths - mm									
			15	18	20	22	25	30	32	40	60	
(CI) P160C	4	F21 - F22-F23	15	18	20	22	25	30	32	40	60	
CI P161C	6	F31-F32-F33-F34-F35-F1-F6	⁽²⁾ 15	20	25	30						
P160BA	6	F1 - F3-F6	⁽¹⁾ 20	22	25	30	40	50				
(CI) JP16C	4	F21 - F22-F23	15	18	20	22	25	30	32	40	60	
	6	F31-F32-F33-F34-F35-F1-F6	⁽²⁾ 15	20	25	30						
(CI) PC160C IL/2IL EP160C IL/2IL P161EC IL/2IL	4	F21 - F22-F23	15	18	20	22	25	30	32	40	60	
	6	F31-F32-F33-F34-F35-F1-F6	⁽²⁾ 15	20	25	30						
P160 IBA	6	F1 - F3-F6	⁽¹⁾ 20	22	25	30	40	50				
(CI) P160KC	4	F21-F22-F23	15	18	20	22	25	30	40			
	6	F1 -F6	15	18	20	22	25	30	40	50	60	
EP160Z-EPP160Z	6	F1 -F6	21	26	29	31	33	36	41	51	61	
EP160KC EPP160KC P160EKC	6	F1 -F6	10	15	18	20	22	25	30	40	50	60
P160ZCS	4	F21-F22-F23	15	18	20	22	25	30	40			
	6	F1 -F6	15	18	20	22	25	30	40	50	60	
SP160Z	6	F1 -F6	21.5	24.5	26.5	28.5	31.5	36.5	46.5	50		
EP160KC IPP CI P160KC IPP	4	F21- F22 -F23	15	18.5	20.5	22	25	30	40			
CI P160KC IP (CI) JP160KC	4	F21-F22-F23	15	18	20	22	25	30	40			
	6	F1 -F6	15	18	20	22	25	30	40	50	60	
(CI) TJP160KC (CI) QJP160KC	6	F1 -F6	10	15	18	20	22	25	30	35	50	60
(CI) P160TZC	6	F1 -F6	16	19	21	23	26	31	41	50		

(1) F6 type only

(2) F31 and F33 types only

F22-F23 types: with flat in standard position

Normalised metal spindles

(CI) P160C	4	M21	13	15	17	20	25					
(CI) JP16C	4	M22 flat 90°	13	15	17							
(CI) P160KC	4	M22 flat 225°	13	15	17	20	25					
(CI) JP160KC	4	M23 flat 90°	18	20	22	25	30					
(CI) P160C IL/2IL	6	M31-M33	15	17								
(CI) P160KC IP	6	M32-M34-M35	20	22	25	30						



Carbon Rotary Potentiometers - 16 mm size



Mechanical position of the taps

Tap	Nominal Rotation %	(1) Types P160 & JP16C	Types P160KC & P160ZC
Z2	50%		

(1) Tap termination is the same both for P.c. and solder potentiometers.
Obtainable tap is specified on the pages describing each potentiometer type.

Mounting accessories

Bushes M7	<p>NUT M7 M7 x 0.75</p> <p>LOCKWASHER M7</p>
Bushes M9	<p>NUT M9 M9 x 0.75</p> <p>LOCKWASHER M10</p>
Bushes M10	<p>NUT M10 M10 x 0.75</p> <p>LOCKWASHER M10</p>

Potentiometers with bush are supplied with a nut, not mounted.
The toothed lockwasher is supplied on request only, not mounted.



Carbon Rotary Potentiometers - 16 mm size



How to order

Désignation pour passer une commande

