

# variable resistors

## control potentiometers

CP23 – carbon

23 mm – linear and other laws

Widely used in video and audio equipment;  
switched versions also available.

Max. dissipation at  $T_{amb} = 40^{\circ}C$ .

linear

0,25 W

others

0,125 W

Working temperature

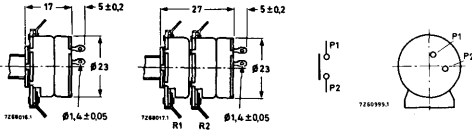
- 10 to +70 °C

Climatic category IEC 68

10/070/21

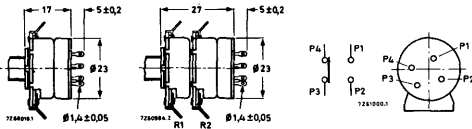
Breaking voltage of switch

250 V(a.c.)



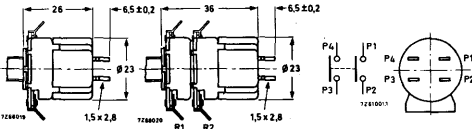
S.P.S.T. rotary switch (single)

S.P.S.T. rotary switch (tandem or twin)



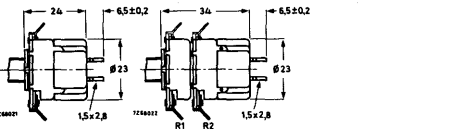
S.P.D.T. rotary switch (single)

S.P.D.T. rotary switch (tandem)



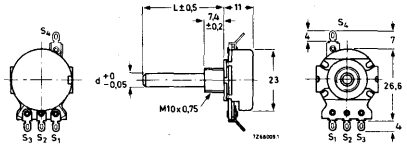
D.P.S.T. rotary switch (single)

D.P.S.T. rotary switch (tandem or twin)

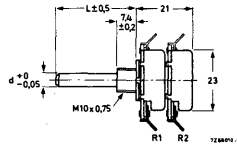


D.P.S.T. push-pull switch (single)

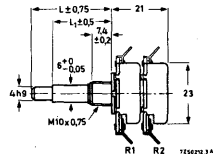
D.P.S.T. push-pull switch (tandem or twin)



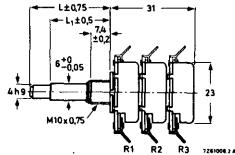
Single



Tandem



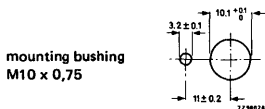
Twin



Triple

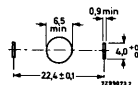
For d, L and L<sub>1</sub> see composition of catalogue no.

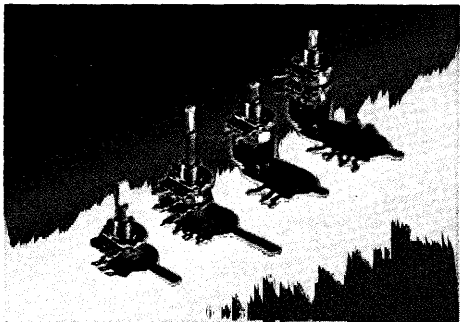
Required mounting holes in chassis



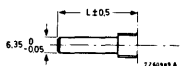
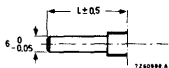
mounting bushing  
M10 x 0,75

twist tags  
only for single  
and tandem

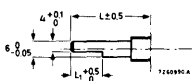




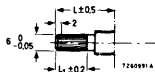
**Spindles**



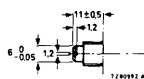
**plain**



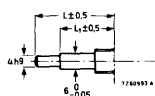
**flat faced  
(single only)**



**knurled  
(single only)**



**slotted**

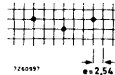
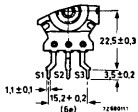


**twin/triple**

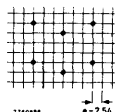
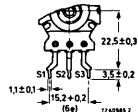
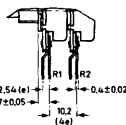
**Connecting terminals**



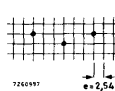
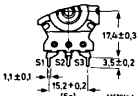
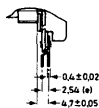
**Solder tags**



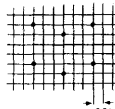
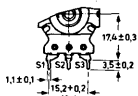
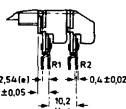
**Long printed-wiring pins, pin distance 15,2 mm (6e) (single potentiometer).**



**Long printed-wiring pins, pin distance 15,2 mm (6e) (tandem potentiometer).**



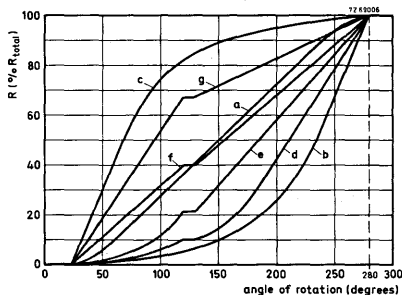
**Short printed-wiring pins, pin distance 15,2 mm (6e) (single potentiometer).**



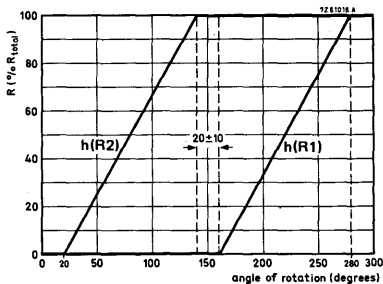
**Short printed-wiring pins, pin distance 15,2 mm (6e) (tandem potentiometer).**

# variable resistors control potentiometers

CP23 – carbon  
23 mm – linear and other laws



single and tandem



balance (tandem only)

code in catalogue no.

nominal resistance	linear law curve a	log. law curve b	rev. log. law curve c	balance curve h
220 Ω	02			
330 Ω	19		59	
470 Ω	03		43	
1 kΩ	04	24	44	
2,2 kΩ	05	25	45	
4,7 kΩ	06	26	46	
10 kΩ	07	27	47	
22 kΩ	08	28	48	92
47 kΩ	09	29	49	93
100 kΩ	11	31	51	94
220 kΩ	12	32	52	95
470 kΩ	13	33	53	96
1 MΩ	14	34	54	97
2,2 MΩ	15	35	55	
4,7 MΩ	16	36		

code in catalogue no.

nominal resistance	tap at 10% curve d	tap at 20% curve e	tap at 40% curve f	tap at 67% curve g
20 + 200 kΩ	67			
50 + 420 kΩ	73			
100 + 900 kΩ	64			
0,2 + 2 MΩ	68			
0,5 + 1,7 kΩ		81		
5 + 17 kΩ		82		
10 + 37 kΩ		86		
20 + 80 kΩ		77		
50 + 170 kΩ		83		
100 + 370 kΩ		87		
200 + 800 kΩ		78		
0,5 + 1,7 MΩ		84		
400 + 600 kΩ			89	
200 + 100 kΩ				65

Composition of the catalogue no.

Single and tandem types

code for type and switch

2322 ... ..

code for terminals, mounting facility,  
type, and length of plastic spindle

code for resistance law and nominal  
resistance, see table previous page

		solder tags		long p.w. pins		short p.w. pins	
		mounting bushing	twist tags	mounting bushing	twist tags	mounting bushing	twist tags
				3 ..	5 ..	2 ..	6 ..
without switch	single = 350 tandem = 360						
with s.p.d.t. rotary switch	single = 352 tandem = 363	17 mm = 713 18 mm = 706 19 mm = 714 20 mm = 715 22 mm = 717	17 mm = 433 18 mm = 426 19 mm = 434 20 mm = 435 22 mm = 437	17 mm = . 63 18 mm = . 56 19 mm = . 64 20 mm = . 65 22 mm = . 67		17 mm = . 83 18 mm = . 76 19 mm = . 84 20 mm = . 85 22 mm = . 87	
with s.p.s.t. rotary switch	single = 353 tandem = 362						
with d.p.s.t. push-pull switch 2A	single = 355 tandem = 365	plain 25 mm = 701 $\phi$ 6 mm 30 mm = 703 35 mm = 704 40 mm = 705 60 mm = 707 70 mm = 708 90 mm = 709	plain $\phi$ 6,35 mm 25 mm = 421 30 mm = 423 35 mm = 424 40 mm = 425 60 mm = 427 70 mm = 428 90 mm = 429	plain 25 mm = . 51 $\phi$ 6 mm 30 mm = . 53 35 mm = . 54 40 mm = . 55 60 mm = . 57 70 mm = . 58 90 mm = . 59		plain 25 mm = . 71 $\phi$ 6,35 mm 30 mm = . 73 35 mm = . 74 40 mm = . 75 60 mm = . 77 70 mm = . 78 90 mm = . 79	
with d.p.d.t. rotary switch	single = 357 tandem = 366						
		18 mm = 740 25 mm = 741 28 mm = 742 30 mm = 743 35 mm = 744 40 mm = 745 60 mm = 747 70 mm = 748 90 mm = 749	knurled 18 mm = 411 30 mm = 412 60 mm = 431 slotted = 410	18 mm = . 90 25 mm = . 91 28 mm = . 92 30 mm = . 93 35 mm = . 94 40 mm = . 95 60 mm = . 97 70 mm = . 98 90 mm = . 99		18 mm = . 61 knurled 30 mm = . 62 70 mm = . 81 slotted = . 60	

Composition of the catalogue no.

Twin and triple types

code for type, switch and hollow spindle

2322 ... ..

code for resistance law and nominal resistance of potentiometer R<sub>2</sub>, see table previous page

code for resistance law and nominal resistance of potentiometer R<sub>1</sub>, see table previous page

steel hollow spindle		plastic hollow spindle		code for spindle lengths	
without switch	twin = 370 triple = 378	without switch	twin = 470 triple = 478	steel hollow spindle	plastic hollow spindle
with s.p.d.t. rotary switch	twin = 372	with s.p.d.t. rotary switch	twin = 472	18 and 30,5 mm = 6	18 and 30,5 mm = 0
with s.p.s.t. rotary switch	twin = 373	with s.p.s.t. rotary switch	twin = 473	30 and 42,5 mm = 7	30 and 42,5 mm = 1
with d.p.s.t. push-pull switch 2A	twin = 375	with d.p.s.t. push-pull switch 2A	twin = 475		
with d.p.s.t. rotary switch	twin = 376	with d.p.s.t. rotary switch	twin = 476		