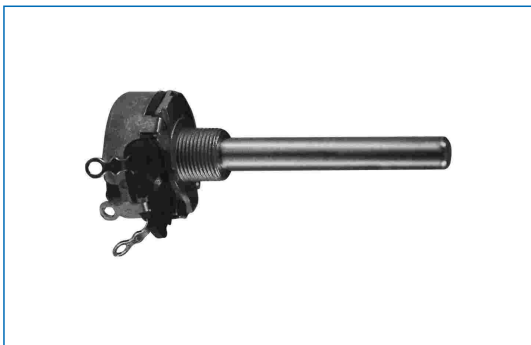


Series AW

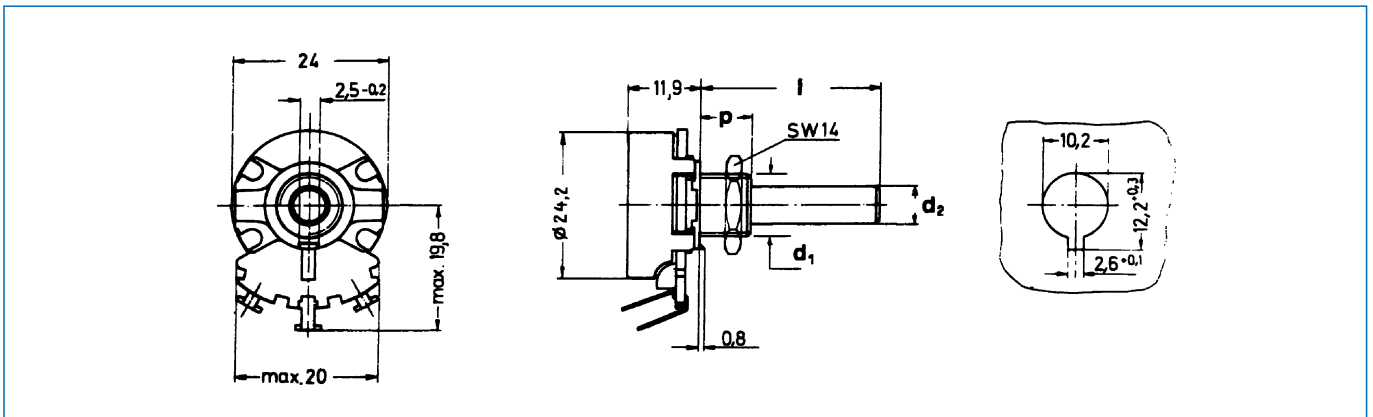
Ordering code no.: 31 046

Type AW

Basic design: encased, nominal width 24 mm, solder tag terminals



also available in ganged version
ordering code no. 31 047



Technical data

Rated resistance range: 5 Ω - 25 k Ω
 Resistance tolerance: $\pm 10\%$ ($< 10\ \Omega \pm 20\%$)
 on request $\pm 5\%$, $\pm 2\%$
 Law (resistance taper): lin
 Independent linearity: $\pm 2\%$
 Rated dissipation: 4 W / 40 $^{\circ}\text{C}$
 Limiting element voltage: 500 V
 Isolation voltage: 1 kV ~
 Temperature range: -40 $^{\circ}\text{C}$ to +90 $^{\circ}\text{C}$
 Temperature coefficient: see table
 Electrical travel: $280^{\circ} \pm 5^{\circ}$
 Mechanical travel: $300^{\circ} \pm 10^{\circ}$
 Operating torque: 0,7 - 3,6 Ncm
 End stop torque: 115 Ncm
 Durability: 10 000 cycles

Spindles:

Metal, plastic moulded on request
(see table)

l (mm)	p (mm)	d_2 (mm)	d_1
standard 50	8 or 12	6	M10 x 0,75

Temperature coefficient and resolution

RN	10 Ω	25 Ω	50 Ω	100 Ω	250 Ω	500 Ω	1 k Ω	2,5 k Ω	5 k Ω	10 k Ω	25 k Ω
TC-value ppm / $^{\circ}\text{C}$	+ 400	+ 400	+ 40 - 80	+ 40 - 80	+ 40 - 80	+ 140	± 20	± 20	± 20	± 20	± 20
Resolution %	0,75	0,75	0,7	0,5	0,35	0,35	0,3	0,3	0,2	0,15	0,13