PIHER



SM/SMC=15 15 mm Carbon/ Cermet Potentiometer

FEATURES

- Excellent low price control potentiometer.
- Based on the PT-15 / PTC-15 series.
- Available in carbon (SM-15) and cermet (SMC-15).
- Enclosed in plastic housing.
- IP54 protection according to IEC 60529.

MECHANICAL SPECIFICATIONS

 $265^{\circ} \pm 5^{\circ}$ – Mechanical rotation angle: 240° ± 20° - Electrical rotation angle: 0.5 to 2.5 Ncm. - Torque: (0.7 to 3.4 in-oz)

- Stop torque: > 10 Ncm. (14 in-oz)

ELECTRICAL SPECIFICATIONS

- Range of values (*)

 $100\Omega \le Rn \le 5 M$ (Decad. 1.0 - 2.0 - 2.2 - 2.5 - 4.7 - 5.0)

- Tolerance (*): $100\Omega \le Rn \le 1M \Omega$ $\pm 20\%$ $1M\Omega < Rn \le 5M$ $\pm 30\%$

- Max. Voltage: 250 VDC (lin) 125 VDC (no lin)

- Nominal Power: • 50°C (122°F) 0.25W (lin), 0.12W (no lin) carbon • 70°C (158°F) 0.5W (lin) 0.25W (no lin.)cermet

- Power derating: 0 Watt a 100°C

- Taper (**): Lin., Log., Alog.

– Residual resistance(*): $\leq 0.5 \%$ Rn (5 Ω min.)

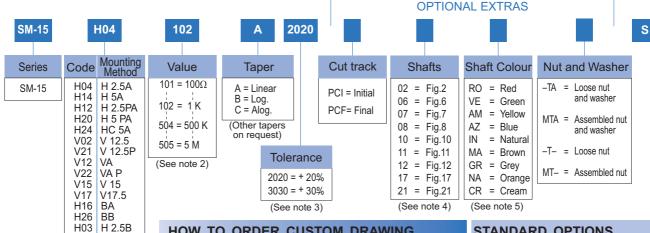
– Operating temperature: $-25^{\circ}\text{C} + 70^{\circ}\text{C}(^{***}) (-13^{\circ}\text{F} + 158^{\circ}\text{F})$ carbon $-40^{\circ}\text{C} + 90^{\circ}\text{C} (-40 + 194^{\circ}\text{F})$ cermet – Mechanical life: $\geq 10.000 \, (^{***})$

(*) Others upon request. (***) Up to 85°C depending on application

(**) Others tapers on request. No linear tapers; values higher than 1 K Ω .

(***) For Ohmic values \geq 1 K Ω . Lower values upon request

HOW TO ORDER SM-15



HOW TO ORDER CUSTOM DRAWING

SM-15 H04 + DRAWING NUMBER (Max. 16 digits)

This way of ordering should be used for options which are not included in the "How to order" standard and optional extras.

	SNIC	STANDARD (
Cut track		Shaft Shaft colour

NOTES:

H13 H 5B H22 H 2.5PB H30 H 5PB

H23 HC 5B

V23 V 15P

(See note 1)

- Mounting Method: Positions with "P" will be with crimped terminals.
- Value: Code: 10 1 100Ω

Number of zeros

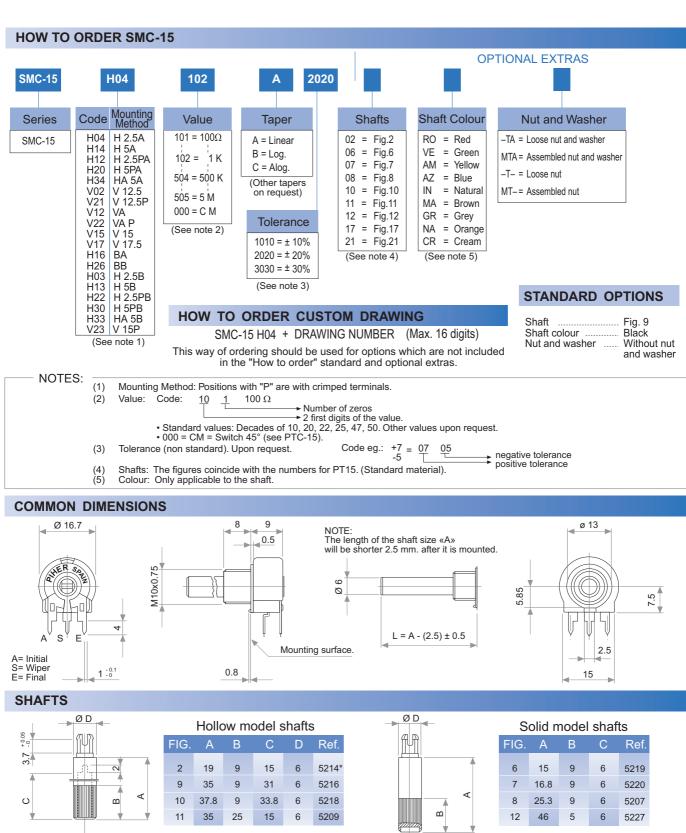
2 first digits of the value.

• Standard values: Decades of 10, 20, 22, 25, 47, 50. Other values upon request.

- Tolerance (non standard). Upon request. Code eg.: +7 negative tolerance pošitive tolerance
- Shafts: These figures coincide with the PT15 references (Standard material).
- Colour: Only applicable to the shaft. (5)

NOTE: The information contained here should be used for reference purposes only.





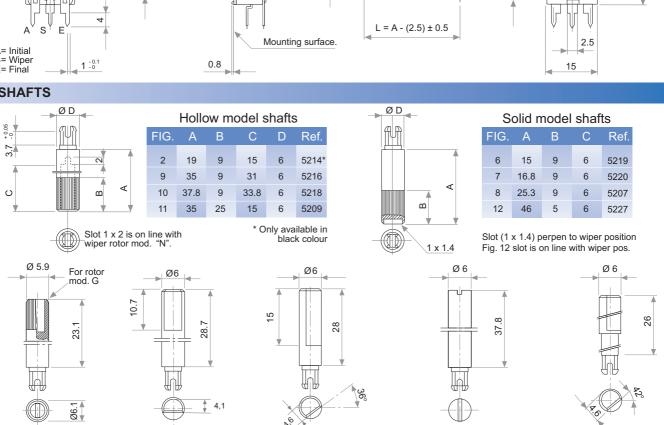


Fig. 20 * - 5369 (E)

Fig. 21-6031

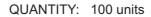
(*) Only available under drawing.

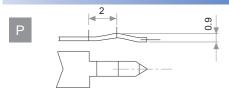
Fig. 25 * - 6059

Fig. 17 - 5210

Fig. 19 * - 6032

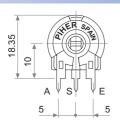
PACKAGING

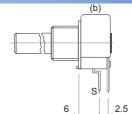


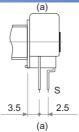


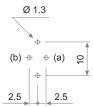
TERMINAL STYLES



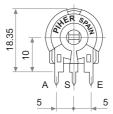


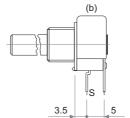


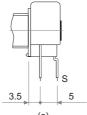


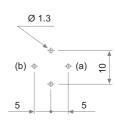


h 5

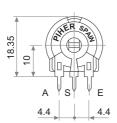


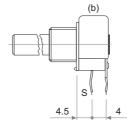


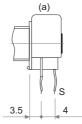


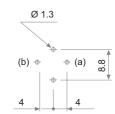


В

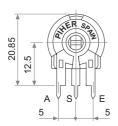


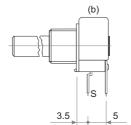


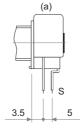


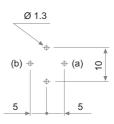


h C 5 Only SM-15

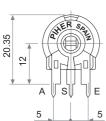


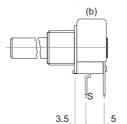


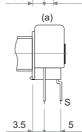


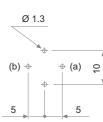


h A 5 Only SMC-15



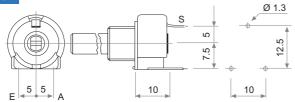




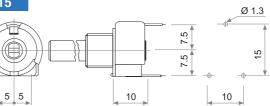


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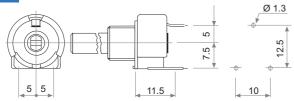
v 12.5







va 12.5





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