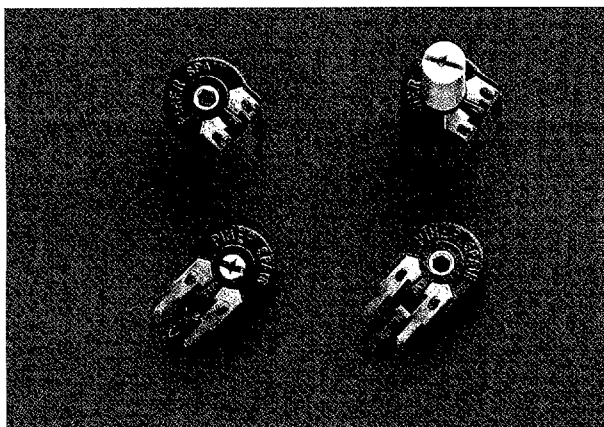




NACESA



PIHER

PTC-10

Potenciómetro de ajuste
Trimmer potentiometer

PRESTACIONES / FEATURES

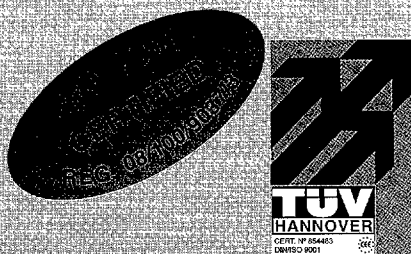
- POTENCIOMETRO DE CERMET
CERMET POTENTIOMETER.
- ENCAPSULADO PROTEGIDO AL POLVO.
DUST PROOF ENCLOSURE
- MATERIAL PLASTICO SEGUN UL94V-0
PLASTIC MATERIAL ACCORDING TO UL94V-0
- SUBSTRATO DE ALUMINA
ALUMINA SUBSTRATE
- BAJO DEMANDA:
ALSO UPON REQUEST:
- Cursor posicionado al 50% o final del recorrido.
Wiper positioned at 50% or fully clockwise.
- Embalaje en cargadores para inserción automática
Supplied on magazines for automatic insertion.
- Modelo larga duración PTC-10...E (10.000 ciclos)
Long life model PTC 10...E (10.000 cycles)
- Curvas especiales
Special curves
- Pausas mecánicas
Mechanical detents

CARACTERISTICAS ELECTRICAS ELECTRICAL SPECIFICATIONS

- Gama de valores (*)
Range of values (*)
 $100 \Omega \leq R_n \leq 5 \text{ M}$ (Decad. 1,0 - 2,0 - 2,2 - 2,5 - 4,7 - 5,0)
 - Tolerancia (*)
Tolerance (*)
 $100 \Omega \leq R_n \leq 1 \text{ M } \Omega$ $\pm 20\%$
 $1 \text{ M } \Omega < R_n \leq 5 \text{ M } \Omega$ $\pm 30\%$
 - Tensión máxima
Max. Voltage
200 VDC (lin) 100 VDC (no lin)
 - Disipación nominal (70° C) (ver curva de disipación)
Nominal Power (158° F) (see power rating curve)
0,33 W (lin) 0,17 W (no lin)
 - Ley de variación (*) (Log. y Alog. sólo para $R_n > 1\text{K}$)
Variation Law (*) (Log. & Alog. only $R_n > 1\text{K}$)
Lin ; Log; Alog.
 - Resistencias residuales
Residual resistance
 $\leq 5 \cdot 10^{-3} R_n$ (2 Ω min.)
 - Resistencia equivalente de ruido
Equivalent Noise Resistance
 $\leq 3\% R_n$ (3 Ω min.)
 - Temperatura de trabajo
Operating temperature
-40° C, +90° C (-40° F, +194° F)
- (*) OTRAS A CONSULTAR / OTHERS UPON REQUEST

CARACTERISTICAS MECANICAS MECHANICAL SPECIFICATIONS

- Angulo giro mecánico
Mechanical rotation angle
 $235^\circ \pm 5^\circ$
- Angulo giro eléctrico
Electrical rotation angle
 $220^\circ \pm 20^\circ$
- Par de giro
Torque
0,4 a 2 Ncm (0,6 to 2,7 in-oz)
- Par en topos
Ends torque
> 5 Ncm. (>7 in-oz)



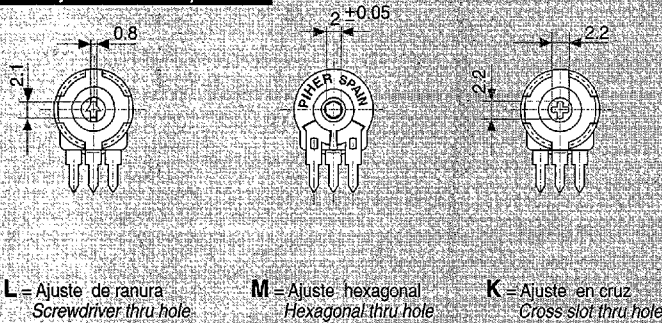
NOTA: La información contenida en esta especificación puede cambiar sin previo aviso.

NOTE: The information contained here in may be changed without prior notice.

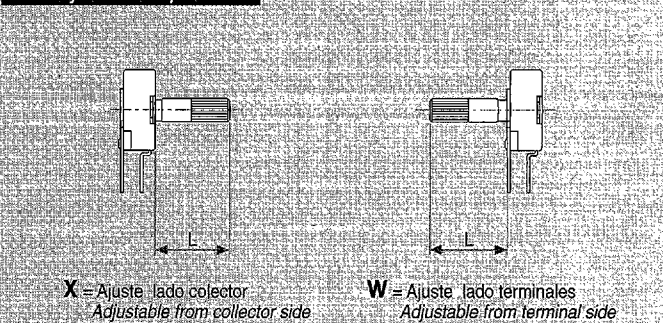
MEGGITT
ELECTRONICS

DISPOSITIVO DE AJUSTE 7 variantes / ADJUSTMENT MEANS 7 variations

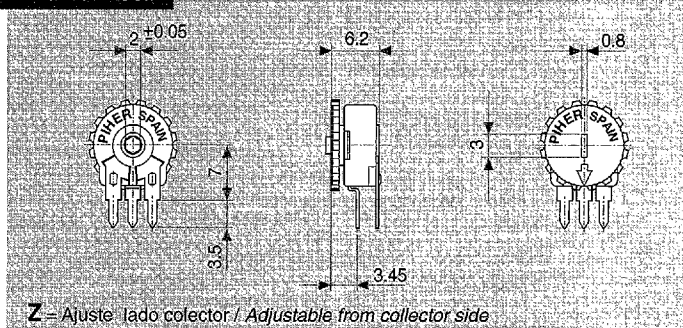
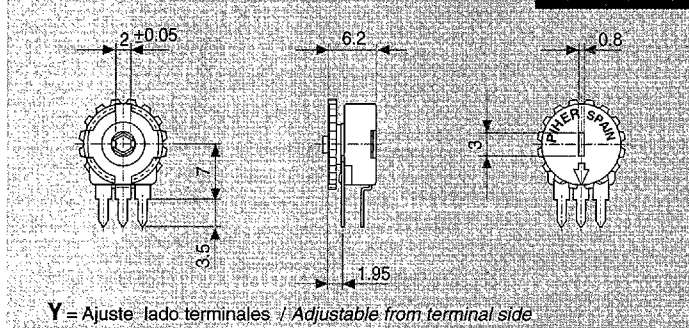
Sin eje / Without spindle



Con eje / With spindle

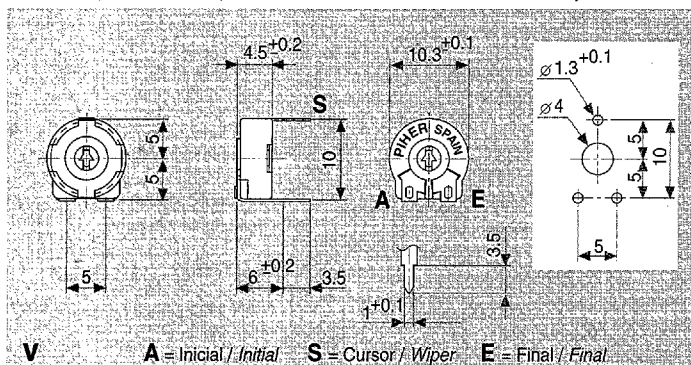


Con Botón / With thumbwheel

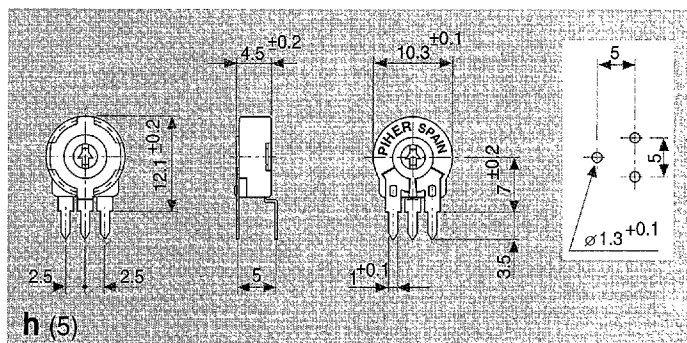
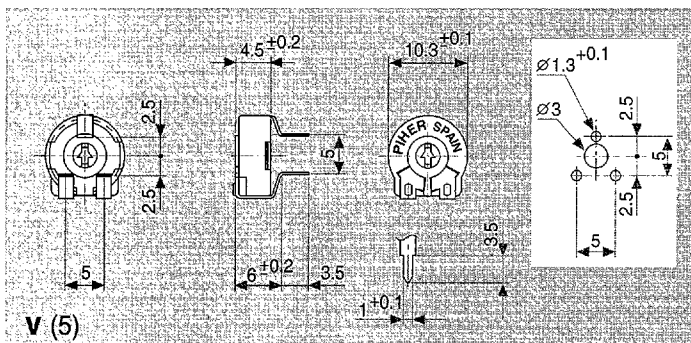
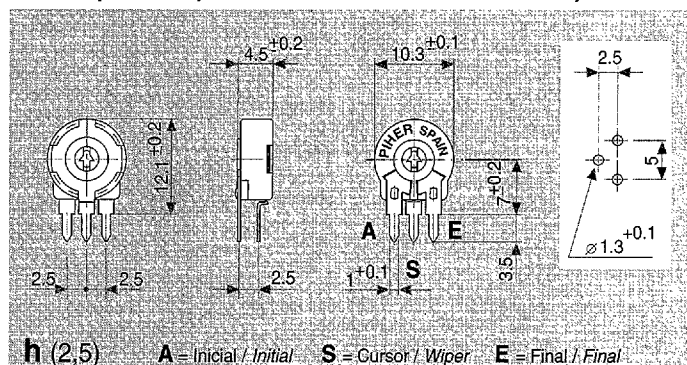


DETALLE DE SISTEMAS DE MONTAJE 4 variantes / MOUNTING METHODS 4 variations

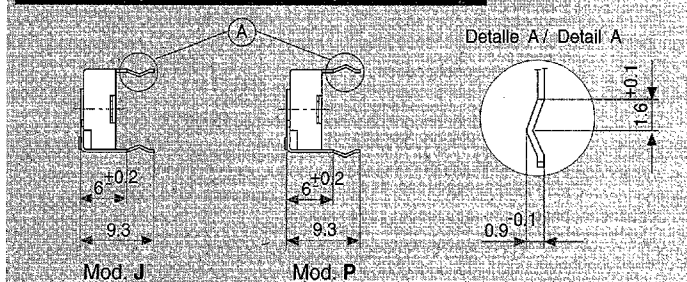
v = montaje horizontal-ajuste vertical / horizontal mount-vertical adjust



h = montaje vertical-ajuste horizontal / vertical mount-horizontal adjust



Terminales preformados / Crimped terminals



NOTA = En curvas no lineales tener en cuenta la disposición de los terminales A, S, E.

Please note terminals disposition when ordering non linear curves.

OPCIONES / OPTIONS

Pausas / Detents



1 pausa mecánica al 50% A.G.M.
1 Detent at 50% of travel

Posicionado / Positioning

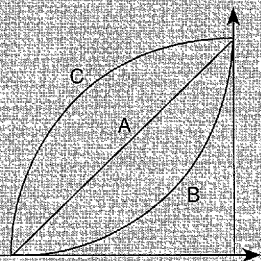
50% ± 20



Posic. normal = Inicial
Std. Position = CCW

CURVAS / CURVES

A = Lineal
B = Log.
C = Alog.

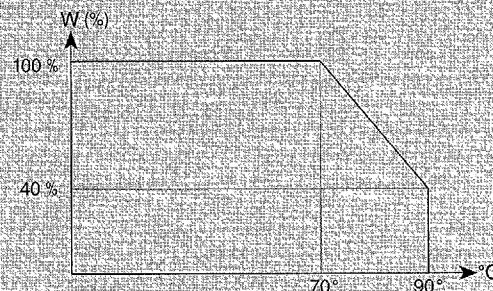


ESTANDAR
Standard

R 2 $\pm 5\%$

Ejemplo curva especial
Special curve example

Curva de disipación / Power rating curve



Curva de disipación
Power rating curve

ENSAYOS

VARIACIONES TÍPICAS TYPICAL VARIATIONS

TESTS

VIDA ELECTRICA	1 000 h. @ 70°C, 0,33 W	$\pm 5\%$
VIDA MECANICA (CICLOS)	100 @ 10 CPM ... 15 CPM	$\pm 3\%$ ($R_n < 1 \text{ M}\Omega$)
COEFICIENTE DE TEMP.	-40°C ... +90°C	$\pm 100 \text{ ppm}$ ($R_n < 100 \text{ K}$)
CICLOS TERMICOS	16 h. @ 90°C, 2h. @ -40°C	$\pm 2,5\%$
CALOR HUMEDO	500 h. @ 40°C @ 95% HR	$\pm 5\%$
VIBRACION	2 h. @ 20 g. @ 10 Hz. ... 50 Hz.	$\pm 2\%$

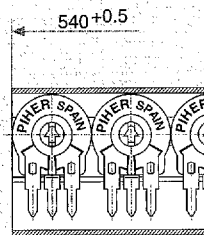
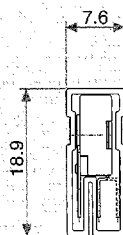
ELECTRICAL LIFE
MECHANICAL LIFE (CYCLES)
TEMPERATURE COEFFICIENT
THERMAL CYCLING
DAMP HEAT
VIBRATION

NOTA: Los valores fuera de gama no garantizan estos datos. / Out of range values may not comply these results.

EMBALAJES / PACKAGING

CAJAS / BOXES

Modelo / model	Unidades por caja Units
Sin eje / botón / without spindle	500 (40 x 85 x 185 mm.)
Con botón / with tumbwheel	400 (40 x 85 x 185 mm.)
Con eje / with spindle	200 (40 x 85 x 185 mm.)

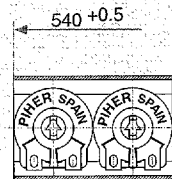
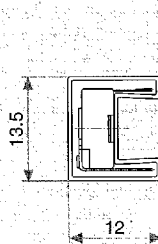


Contenedor para PTC10 h 2,5; h 5
Magazines for PTC10 h 2,5; h 5

También preform. h. 2,5 P
Also crimped term. h 2,5 P

INSERCIÓN AUTOMÁTICA AUTOMATIC INSERTION

Contenedores Magazines	Unidades por caja Units
PTC10H y PTC10V PTC10H & PTC10V	50 Piezas Pieces



Contenedor para PTC10 V
Magazines for PTC10 V

También preform. VP
Also crimped term. VP

FORMA DE PEDIDO / HOW TO ORDER

ESTANDAR / STANDARD

OPCIONAL / OPTIONAL

PTC10	L	H01	101	A	2020						
Pot. Serie Pot. Serie		Cod. Anclaje Terminal Style		Curva Curve		Vida Life		Contenedor Magazine		Color eje/rotor Spind/rotor col.	
PTC10		H01 H2.5 H05 H5 H02 H2.5P H10 H5P V05 V5 V10 V V11 VP V13 VJ (Ver nota 2) (See note 2)		A = Lin. B = Log. C = Alog.		E= Larga vida Long life (Ver nota 5) (See note 5)		T (Ver nota 6) (See note 6)		RO=Rojo / Red NE=Negro / Black VE=Verde / Green AM=Am./Yellow AZ=Azul / Blue MA=Marr./Brown GR=Gris / Grey NA=Nar./Orange (Ver nota 7) (See note 7)	
	Dispos. Ajuste Adjust. Means		Valor Value		Tolerancia Tolerance 2020 = $\pm 20\%$ 3030 = $\pm 30\%$ (Ver nota 4) (See note 4)		Pausa Detent PAI = Inicial PAM = 1/2 PAF = Final		Eje / Botón Spind. Thum. 1 = Fig. 1 2 = Fig. 2 18 = Fig. 18		Pos. cursor Wiper position PM = 50% PF = Final
	L M K X W Y Z (Ver nota 1) (See note 1)		101 = 100 Ω 504 = 500 K 505 = 5 M (Ver nota 3) (See note 3)								

NOTAS / NOTES:

- (1) Dispositivo de ajuste "Z" sólo posible con anclaje "H"
"Z" adjustment only available on "H" versions
- (2) Anclaje: Las posiciones "P" y "J" serán con terminales preformados
Terminals styles: "P" & "J" are crimped terminals
- (3) Valor / Value Ejemplo / Example:
Código / Code: 10 1 100 Ω
Nº de ceros / Numb of zeros
Primeros dos dígitos del valor.
First two digits of the value.
- (4) Tolerancia (no estándar), bajo demanda
Non standard tolerance, upon request.
Ejemplo / Example: +7% Código / Code: 07 05
-5%
tolerancia negativa / negative tolerance
tolerancia positiva / positive tolerance
- (5) Vida / Life
 - Normal / Standard 100 ciclos / cycles
 - Larga / Long life 10000 ciclos / cycles
- (6) Cargador: No es posible con los anclajes H10, V05 y V13, ni ajustes X, W, Y, Z.
Magazines: no possible with the H10, V05 and V13 models, nor with adjustments types X, W, Y, Z.
- (7) Color eje/rotor / Colour spindle/rotor:
 - Potenciómetro sin eje: sólo rotor / Potentiometer without spindle: only rotor
 - Potenciómetro con eje: sólo eje / Potentiometer with spindle: only spindle

Forma de Pedido bajo Plano How to order special products under demand

PTC10 LH 01 104 + N.º DE PLANO (Máx. 16 posiciones)
DRAWING NUMBER (Max. 16 digits)

Esta forma de pedido deberá utilizarse para opciones fuera de las expuestas arriba como estándar y opcionales (curva especial, ejes especiales, etc.).
Only applicable for options non included above as standard and optional (special curves, special spindles, etc.).

Valores opcionales por defecto Standard values unless specified

Duración de vida / Life cycles 100 ciclos / cycles
Pausas / Detents No tiene / None
Cargador / Magazines No lleva / No
Color (rotor) / Colour (rotor) Incoloro / Natural
Color (eje) / Colour (spindle) Incoloro / Natural
Posición cursor / Wiper position Inicial / Initial

EJES / SPINDLES

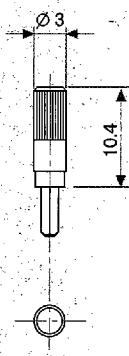


Fig. 1 / Ref. 5016

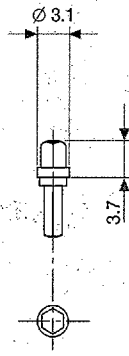


Fig. 2 / Ref. 5053

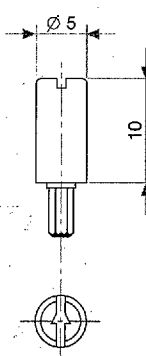


Fig. 3 / Ref. 5012

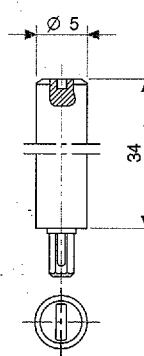


Fig. 4 / Ref. 6053

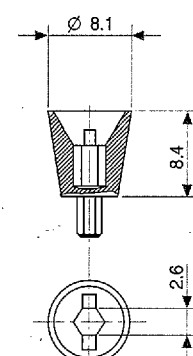


Fig. 6 / Ref. 5035

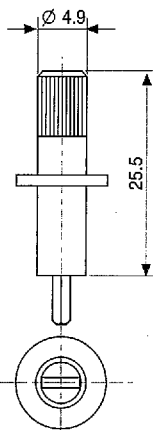


Fig. 7 / Ref. 5115

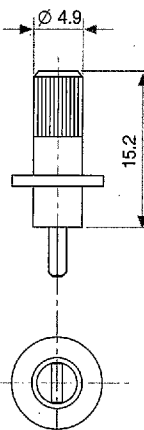


Fig. 8 / Ref. 5116

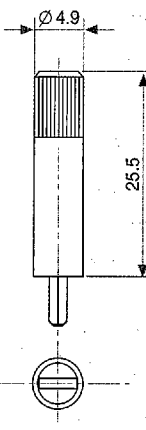


Fig. 9 / Ref. 5119

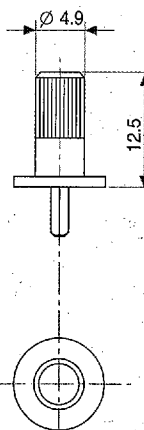


Fig. 10 / Ref. 5120

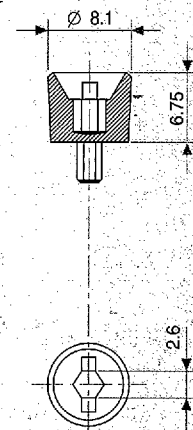


Fig. 11 / Ref. 5027

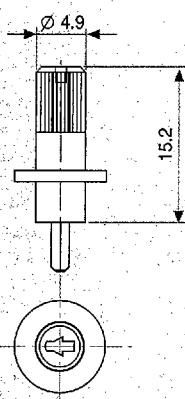


Fig. 12 / Ref. 6052

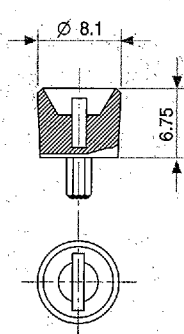


Fig. 13 / Ref. 5121

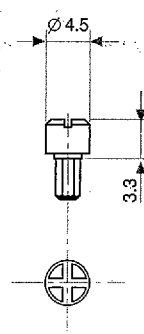


Fig. 14 / Ref. 5055

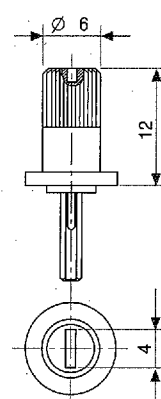


Fig. 18 / Ref. 6064

BOTONES / THUMBWHEELS

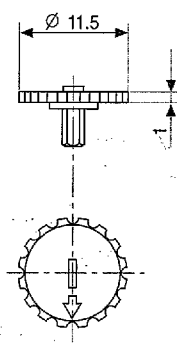


Fig. 5 / Ref. 5034

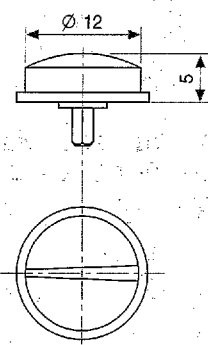


Fig. 15 / Ref. 6008

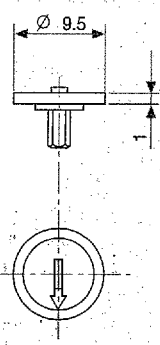


Fig. 16 / Ref. 5039

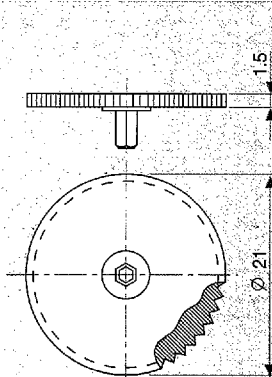


Fig. 17 / Ref. 5062