PRODUCT DATA SHEET

REFERENCE: 10368	DATE: 9/3/2022	REV: 0	PAGE Nº: 1/2
DESCRIPTION: CA9PV10-10MA2020			

Customer Approval : Date: _____ Name: _____ Signature: _____

ELECTRICAL PARAMETERS AT 23ºC ±5ºC AND 40% TO 70% HR:

Nominal Resistance	10M Ohm
Resistance Tolerance	±20%
Maximum Power at 50°C	0,15W
Resistance Law	Linear
Electrical Angle	220° ±20°
Temperature Coefficient	1000 ppm/°C
Temperature Range	- 25°C, +70°
Contact Resistance	<5% RN
Contact Resistance Variation	< 3%RN
Residual Resistance	< 0,5% RN

MECHANICAL PARAMETERS:

Angle Of Rotation	240°±5°
Wiper Torque	<2Ncm
Max. Torque At End Stop	5Ncm
Max. Push And Pull On The Rotor / Shaft	40N
Wiper Position On Delivery	50%±15°
Dimensional Parts	See drawing Nº Plano 02-0315
Packaging	Bulk

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DESCRIPTION: CA9PV10-10MA2020

TEST:

Thermal Cycling ±5%

Initial measure of the resistance value at standard conditions. Put the potentiometers 16h at Tª 85ºC follow that 2h at Tª -25C. Measuring of the value variation after 24 in standard conditions. . Typical variation of value (95% confidence)

Load Life +0%; -10%

Environmental conditions: Tª 50ºC. Voltage applied: The maximum admissible for each value related to the maximum power (See our brochure to check the maximum power for each type of potentiometers). Measures: : Initial measure of the resistance value at standard conditions. Measuring the resistance value at 100h, 250h, 500h and 1.000h to check the advance. The potentiometers are stabilised at 23ºC, 50% Hr during 24 hours, and, afterwards they resistance is measured for every time. Typical variation of value (95% confidence)

Mechanical (cycles) ±5%

Environmental conditions 23ºC. Cycles: 1.000. Speed: 10 rpm. Typical variation of value (95% confidence)

Storage (3 years) ±5%

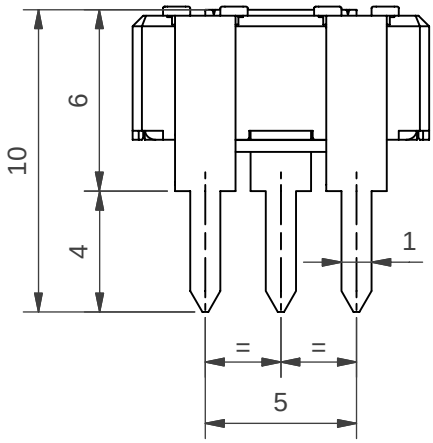
Initial measure of the resistance value at standard conditions. Store the potentiometers during 3 years at 23ºC, 50% Hr. Measuring of the total variation of value at 1st year, 2nd year and 3rd year. Typical variation of value after 3 years (95% confidence)

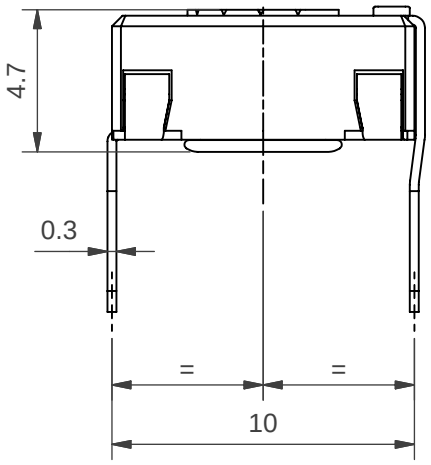
Damp Heat +10%, -5%

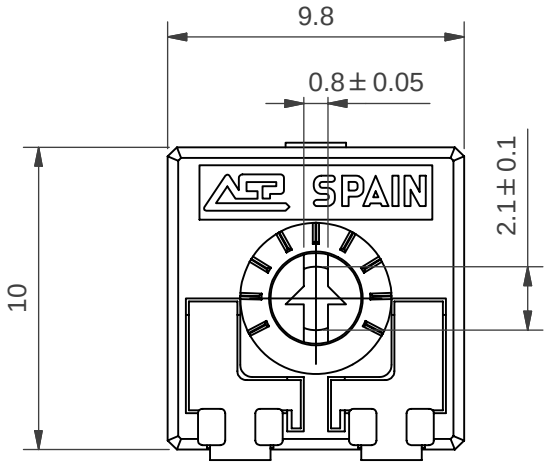
Environmental conditions: Tª 40ºC, Hr 95%. Measures: Initial measure of the resistance value at standard conditions. Measuring the resistance value at 100h, 250h, and 500h to check the advance. The potentiometers are stabilised at 23ºC , 50% Hr during 24 hours, and, afterwards they resistance is measured for every time. Typical variation of value (95% confidence) :

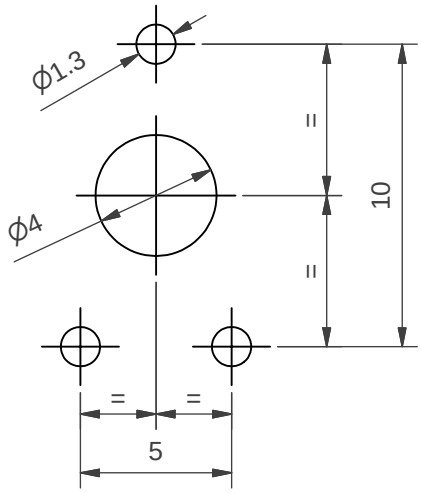
ANNEXED

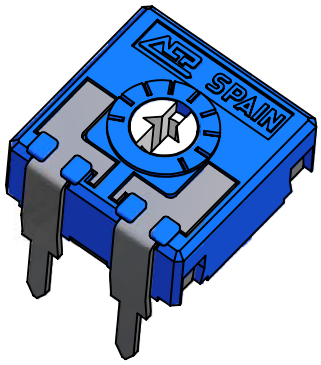
Dimensional Drawing Nº Plano 02-0315

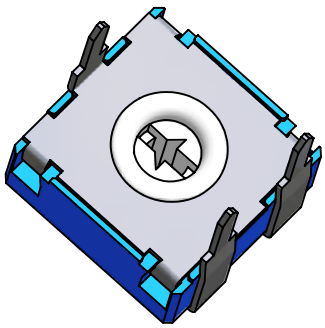












					Fecha	Nombre	ARAGONESA DE COMPONENTES PASIVOS S.A.	Referencia Artículo
				Creado	09/12/2009	CEM		
				Revisado				
				TOLERANCIA GENERAL Angular / Lineal ±1° | < 1 ±0,1 | 1..10 ±0,3 | >10 ±0,5		ESCALA	CA9PV10	Revisión 1
								Nº Plano 02-0315
Estado	Cambios	Fecha	Nombre	REF. DOCUMENTO :				