

## Wirewound Rheostat/Potentiometer

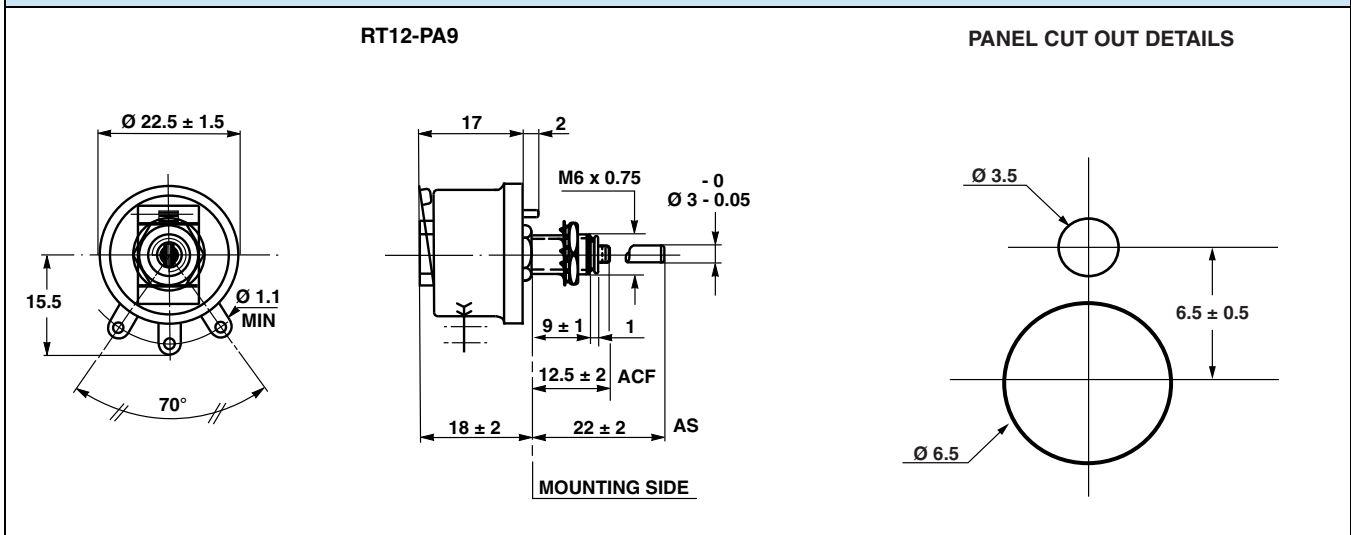


### FEATURES

- 12 W at 25 °C
- CCTU 05-03B (PA9)
- Vitreous style
- Material categorization: For definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

### DIMENSIONS in millimeters



### MECHANICAL SPECIFICATIONS

**Mechanical Protection:** Vitreous  
**Mechanical Travel:**  $290^\circ + 15^\circ - 10^\circ$   
**Operating Torque:** 1 Ncm to 10 Ncm  
**End Stop Torque:** 25 Ncm  
**Unit Weight:** 18.3 g

### ENVIRONMENTAL SPECIFICATIONS

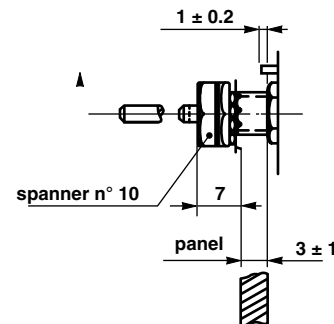
**Temperature Range:**  $-55^\circ\text{C} + 320^\circ\text{C}$   
**Climatic Category:** CCTU 454  
 CEI 55/200/56

ELECTRICAL SPECIFICATIONS	
Ohmic Range	1 $\Omega$ to 2.2 k $\Omega$
Tolerance Standard	$\pm 10\%$
Power Rating	12 W at 25 °C
Variation Law	Linear
Limiting Element Voltage	300 V
Dielectric Strength	1000 V <sub>RMS</sub>
Insulation Resistance	$10^3$ M $\Omega$ (500 V <sub>CC</sub> )

### LOCKING DEVICE

The spindle locking device can be fitted only to special units equipped with a slotted bushing.

Order reference: B



### SPINDLES

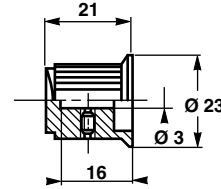
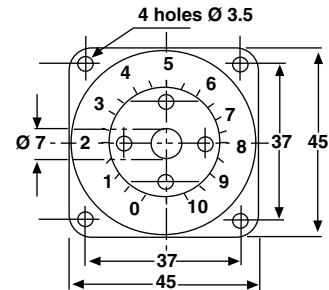
$\text{Ø}$ mm	DISTANCE TO MOUNTING PLATE MM	SCREW DRIVER SLOT	CODE
3	12.5	With	ACF
3	22	Without	AS

### Note

- For any special requirement on request: spindle flats, etc. Please supply detailed drawing.

**PARTICULAR CHARACTERISTICS**

NOMINAL RESISTANCE $\Omega$	MAX. SERVICE VOLTAGE V	MAX. CURRENT THROUGH WIPER mA
1	3.46	3460
1.5	4.24	2830
2.2	5.14	2340
3.3	6.29	1910
4.7	7.51	1600
6.8	9.03	1330
10	11	1100
15	13.4	900
22	16.3	740
33	19.9	603
47	23.7	505
68	28.6	420
100	34.6	346
150	42.4	283
220	51.4	234
330	62.9	191
470	75.1	160
680	90.3	133
1K	110	110
1.5K	134	90
2.2K	163	74

**COMMAND KNOB: 20JF (OPTION)**

**DIAL: CG45 (OPTION)**

**MARKING**

 Vishay Sfernice trademark, series, style, ohmic value (in  $\Omega$  or k $\Omega$ ), tolerance (in %), maximum current in A, manufacturing date

ORDERING INFORMATION						
<b>RT</b>	<b>012</b>	<b>AS</b>	<b>1501</b>	<b>K</b>	<b>B</b>	<b>XXX</b>
MODEL	STYLE	SPINDLE	OHMIC VALUE	TOLERANCE	PACKAGING	SPECIAL DESIGN

GLOBAL PART NUMBER INFORMATION								
<div style="display: flex; justify-content: space-around; font-weight: bold; font-size: 1.2em;"> <span>R</span> <span>T</span> <span>0</span> <span>1</span> <span>2</span> <span>A</span> <span>S</span> <span>4</span> <span>7</span> <span>0</span> <span>1</span> <span>K</span> <span>B</span> </div>								
GLOBAL MODEL	SIZE	LOCKING DEVICE (OPT.)	WINDING (OPT.)	COMMAND SHAFT	OHMIC VALUE	TOLERANCE	PACKAGING	SPECIAL
RT	012	D	BXXX or BXXXX  As applicable xxx(x) = Internal number	AS = Standard (Diam: 3 mm) ACF	The three first digits are significant figures and the last digit specifies the number of zeros to follow. R designates decimal point. <b>2002</b> = 20 k $\Omega$ <b>4701</b> = 4.7 k $\Omega$ <b>48R0</b> = 48 $\Omega$ <b>0R01</b> = 0.01 $\Omega$	J = 5 % K = 10 %	B = Bulk BO10  No standard packaging: N = Bulk, qty. open	As applicable Ex = DXxx



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**Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.**

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