Wirewound Rheostat / Potentiometer



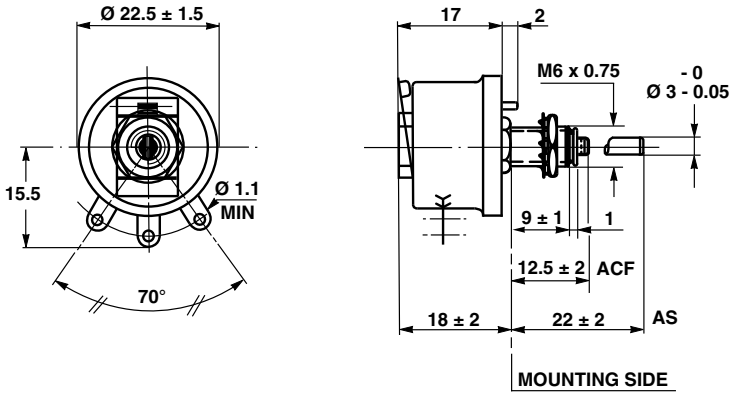
FEATURES

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

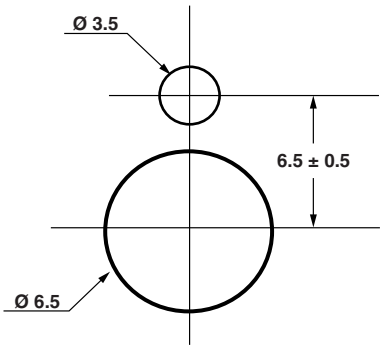
RoHS COMPLIANT

DIMENSIONS in millimeters

RT12-PA9



PANEL CUT OUT DETAILS



STANDARD ELECTRICAL SPECIFICATIONS

MODEL	RESISTANCE RANGE Ω	TOLERANCE ± %	RATED POWER $P_{25\,°C}$ W	VARIATION LAW STANDARD	LIMITING ELEMENT VOLTAGE V	DIELECTRIC STRENGTH V_{RMS}	INSULATION RESISTANCE Ω
RT12	1 to 2.2K	10	12	Linear	300	1000	10^3M (500 V_{CC})

CLIMATIC SPECIFICATIONS

Temperature range	-55 °C; +320 °C
Climatic category	CCTU 454 CEI 55 / 200 / 56

MECHANICAL SPECIFICATIONS

Mechanical protection	Vitreous
Mechanical travel	290° + 15° / - 10°
Operating torque	1 Ncm to 10 Ncm
End stop torque	25 Ncm
Unit weight	18.3 g

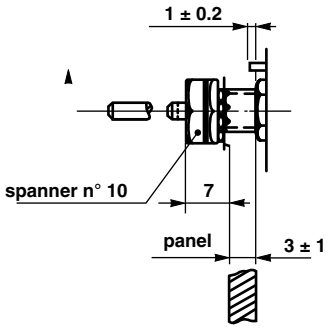
For technical questions, contact: sferfixedresistors@vishay.com

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LOCKING DEVICE

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

Order reference: B



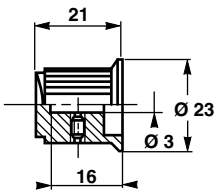
SPINDLES			
Ø mm	DISTANCE TO MOUNTING PLATE MM	SCREW DRIVER SLOT	CODE
3	12.5	With	ACF
3	22	Without	AS

Note

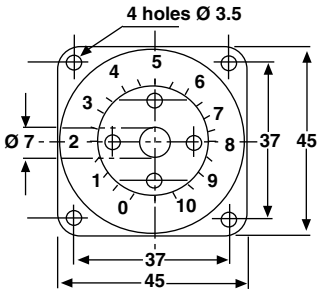
- For any special requirement on request: spindle flats, etc. Please supply detailed drawing.

PARTICULAR CHARACTERISTICS		
NOMINAL RESISTANCE Ω	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 Ω or kΩ), tolerance (in %), maximum current in A, manufacturing date

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ORDERING INFORMATION

RT	012	AS	1501	K	B	XXX
MODEL	STYLE	SPINDLE	OHMIC VALUE	TOLERANCE	PACKAGING	SPECIAL DESIGN

GLOBAL PART NUMBER INFORMATION

R	T	0	1	2	A	S	4	7	0	1	K	B

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. **2002** = 20 kΩ **4701** = 4.7 kΩ **48R0** = 48 Ω **0R01** = 0.01 Ω	**J** = 5 % **K** = 10 %	**B** = bulk BO10 No standard packaging: **N** = bulk, qty. open	As applicable **Ex** = DXxx

RELATED DOCUMENTS

APPLICATION NOTES	
Potentiometers and Trimmers	www.vishay.com/doc?51001
Guidelines for Vishay Sfernice Resistive and Inductive Components	www.vishay.com/doc?52029

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