

Wirewound Rheostat / Potentiometer

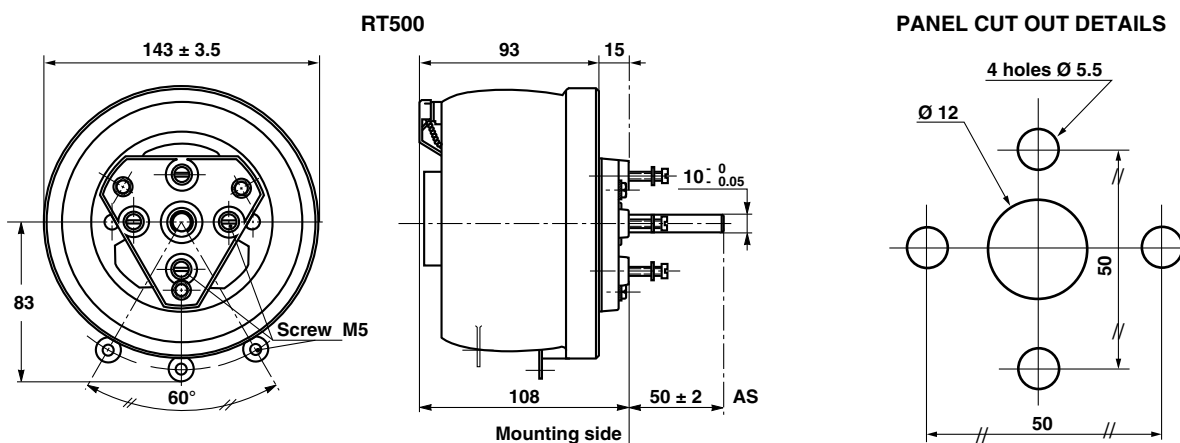


FEATURES

- 500 W at 25 °C
- Vitreous wirewound protection
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912


RoHS
COMPLIANT

DIMENSIONS in millimeters



STANDARD ELECTRICAL SPECIFICATIONS

MODEL	RESISTANCE RANGE Ω	TOLERANCE $\pm \%$	RATED POWER $P_{25^\circ\text{C}}$ W	VARIATION LAW STANDARD ⁽¹⁾	LIMITING ELEMENT VOLTAGE V	DIELECTRIC STRENGTH V_{RMS}	INSULATION RESISTANCE Ω
RT500	1 to 33K	10	500	Linear	3500	3500	10^3M (500 V_{CC})

Note

⁽¹⁾ On request: sectorial winding

CLIMATIC SPECIFICATIONS

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

MECHANICAL SPECIFICATIONS

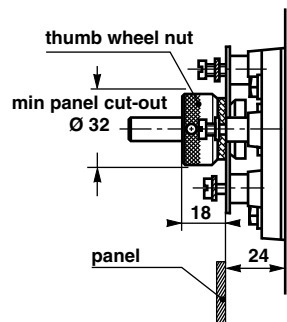
Mechanical protection	Vitreous
Mechanical travel	$300^\circ \pm 5^\circ$
Operating torque	1 Ncm to 50 Ncm
End stop torque	200 Ncm
Unit weight	1900 g

LOCKING DEVICE

This is supplied as an option.

The available spindle length is according to the panel thickness.

Order reference: DBA11



SPINDLES			
Ø mm	DISTANCE TO MOUNTING PLATE mm	SCREW DRIVER SLOT	CODE
10	50	Without	AS

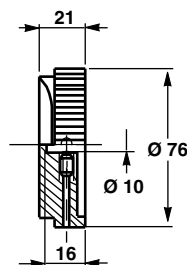
Note

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

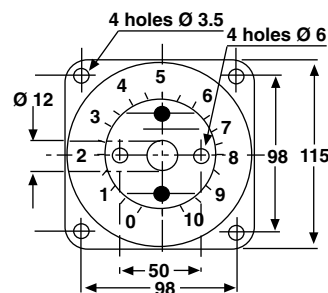
PARTICULAR CHARACTERISTICS

NOMINAL RESISTANCE Ω	MAX. SERVICE VOLTAGE V	MAX. CURRENT THROUGH WIPER A
1	22.4	22.4
1.5	27.3	18.2
2.2	33	15
3.3	40.6	12.3
4.7	48.4	10.3
6.8	58.3	8.57
10	70.7	7.07
15	86.5	5.77
22	105	4.77
33	128	3.89
47	153.2	3.26
68	184.3	2.71
100	224	2.24
150	273	1.82
220	330	1.5
330	406	1.23
470	484	1.03
680	584.8	0.86
1K	707	0.707
1.5K	865	0.577
2.2K	1050	0.477
3.3K	1283	0.389
4.7K	1532	0.326
6.8K	1843	0.271
10K	2240	0.224
15K	2730	0.182
22K	3322	0.151
33K	3500	0.106

COMMAND KNOB 60JF (OPTION)



DIAL CG1 15/4T (OPTION)



MARKING

Vishay Sfernice trademark, series, style, ohmic value (in Ω or kΩ), tolerance (in %), maximum current in A, manufacturing date.



ORDERING INFORMATION

RT	500	AS	2202	K	B	XXX
MODEL	STYLE	SPINDLE	OHMIC VALUE	TOLERANCE	PACKAGING	SPECIAL DESIGN

GLOBAL PART NUMBER INFORMATION

R	T	5	0	0	A	S	1	0	0	0	K	B
GLOBAL MODEL	SIZE	LOCKING DEVICE (OPT.)	WINDING (OPT.)	COMMAND SHAFT	OHMIC VALUE			TOLERANCE	PACKAGING	SPECIAL		
RT	500	D	BXXX or BXXXX As applicable xxx(x) = internal number	AS = standard (Diam: 10 mm)	The first three digits are significant figures and the last digit specifies the number of zeros to follow. R designates decimal point. 2002 = 20 k Ω 4700 = 470 Ω 22R0 = 22 Ω 1000 = 100 Ω			J = 5 % K = 10 %	B = box BO1	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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