

Wirewound Rheostat/Potentiometer

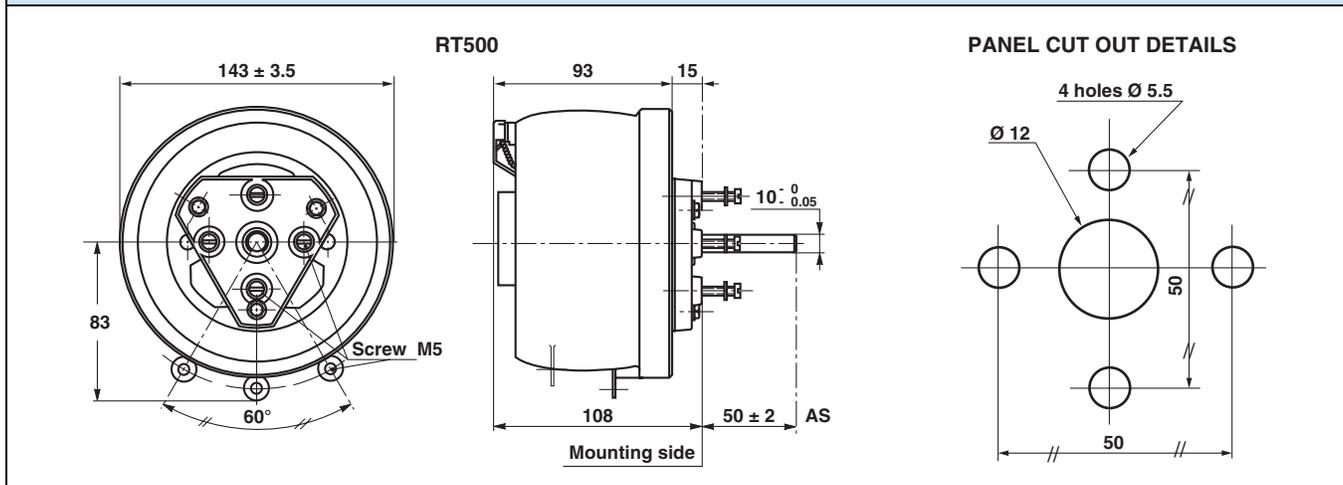


FEATURES

- 500 W at 25 °C
- Vitreous wirewound protection
- Compliant to RoHS directive 2002/95/EC



DIMENSIONS in millimeters



MECHANICAL SPECIFICATIONS

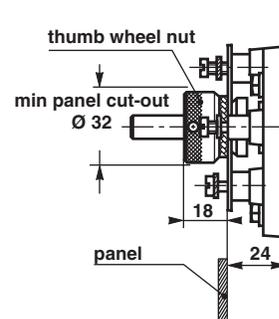
| | |
|-----------------------|-------------------------|
| Mechanical Protection | Vitreous |
| Mechanical Travel | $300^\circ \pm 5^\circ$ |
| Operating Torque | 10 Ncm to 50 Ncm |
| End Stop Torque | 200 Ncm |
| Unit Weight | 1900 g |

LOCKING DEVICE

This is supplied as an option.
 The available spindle length is according to the panel thickness.
 Order reference: DBA11

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 Ω to 33 k Ω | |
| Tolerance Standard | $\pm 10\%$ | |
| Power Rating | 500 W at 25 °C | |
| Variation Law | Standard | Linear |
| | On request | Sectorial winding |
| Limiting Element Voltage | 3500 V | |
| Dielectric Strength | 3500 V _{RMS} | |
| Insulation Resistance | 10^3 M Ω (500 V _{CC}) | |

SPINDLES

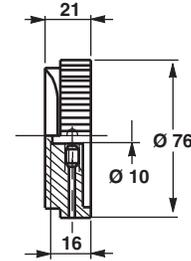
| \varnothing mm | DISTANCE TO MOUNTING PLATE mm | SCREW DRIVER SLOT | CODE |
|------------------|-------------------------------|-------------------|------|
| 10 | 50 | Without | AS |

Note

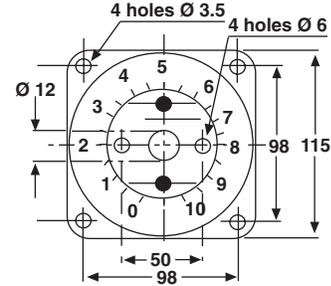
- For any special requirement on request: spindle flats, etc. Please supply detailed drawing.

| 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 k Ω), 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 | | | | | | | | |
|--------------------------------|------|-----------------------|--|-----------------------------|--|---------------------|----------------|----------------------------|
| 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 |



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