

Wirewound Rheostat / Potentiometer

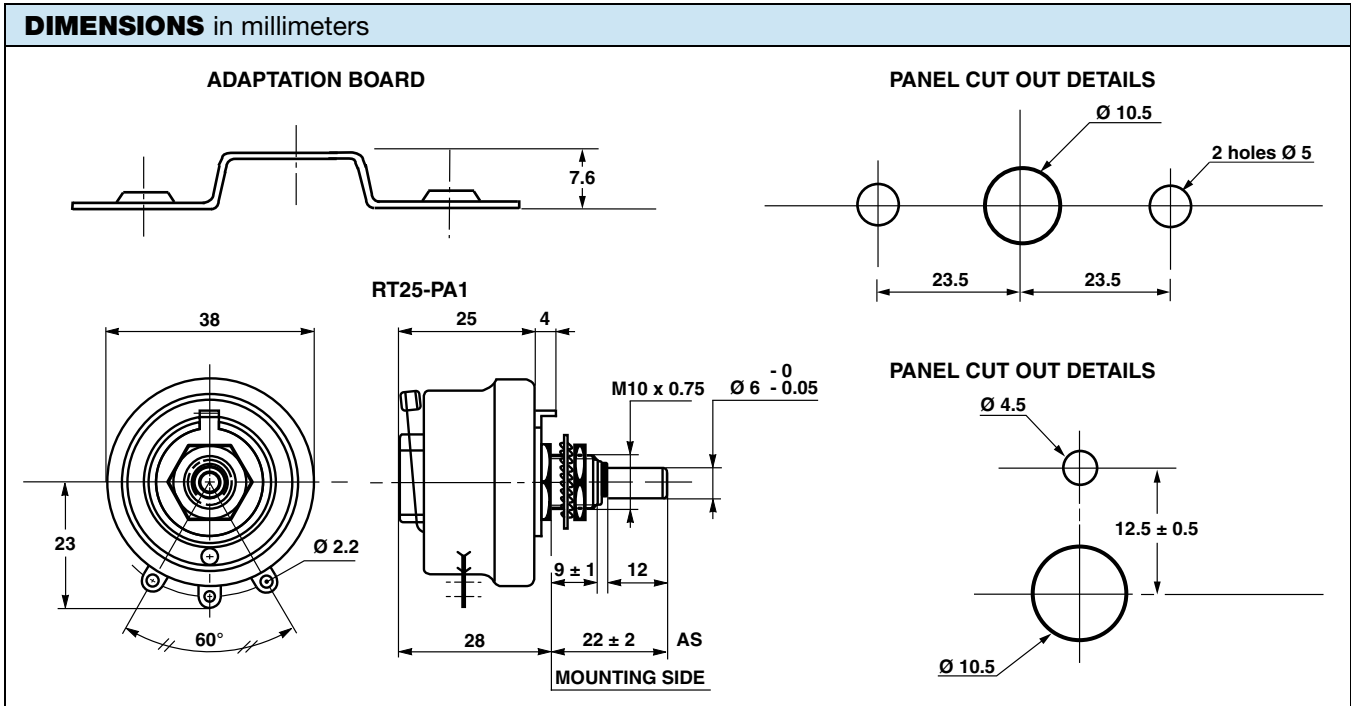


FEATURES

- 25 W at 25 °C
- CCTU 05-03B (PA1)
- Vitreous - RT style
- 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 $P_{25\text{ }^\circ\text{C}}$ W | VARIATION LAW STANDARD ⁽¹⁾ | LIMITING ELEMENT VOLTAGE V | DIELECTRIC STRENGTH V_{RMS} | INSULATION RESISTANCE Ω |
|-------|------------------------------|-----------------------|----------------------------------------------------|------------------------------------------|----------------------------------|--------------------------------------------|---------------------------------------|
| RT25 | 1 to 4.7K | 10 | 25 | Linear | 300 | 1000 | 10^9M (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

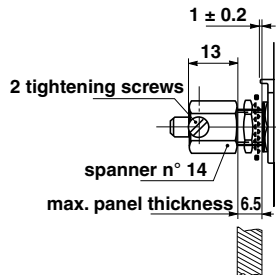
| | |
|-----------------------|-------------------------|
| Mechanical protection | Vitreous |
| Mechanical travel | $300^\circ \pm 5^\circ$ |
| Operating torque | 1 Ncm to 10 Ncm |
| End stop torque | 50 Ncm |
| Unit weight | 80 g |

LOCKING DEVICE

This is supplied as an option.

The available spindle length is according to the panel thickness.

Order reference: DBA6



ADAPTATION BOARD

This enables 2 point mounting instead of bush mounting. The adaptation board is supplied as an option with 2 mounting screws. Consequently, the available spindle length is reduced by 9.5 mm.

| SPINDLES | | | |
|----------|-------------------------------|-------------------|------|
| Ø mm | DISTANCE TO MOUNTING PLATE mm | SCREW DRIVER SLOT | CODE |
| 6 | 22 | With | ASF |
| | 25 | Without | AM |
| | | With | AMF |
| 6 | 50 | Without | AL |
| | 22 | Without | AS |

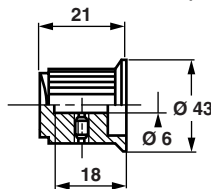
Note

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

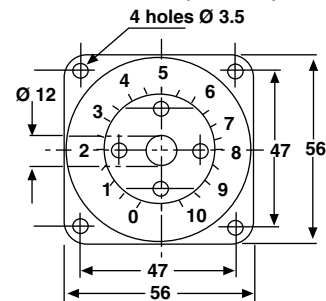
PARTICULAR CHARACTERISTICS

| NOMINAL RESISTANCE Ω | MAX. SERVICE VOLTAGE V | MAX. CURRENT THROUGH WIPER mA |
|-------------------------|---------------------------|----------------------------------|
| 1 | 5 | 5000 |
| 1.5 | 6.12 | 4080 |
| 2.2 | 7.42 | 3370 |
| 3.3 | 9.08 | 2750 |
| 4.7 | 10.8 | 2300 |
| 6.8 | 13 | 1920 |
| 10 | 15.8 | 1580 |
| 15 | 19.4 | 1290 |
| 22 | 23.5 | 1070 |
| 33 | 28.7 | 870 |
| 47 | 34.3 | 730 |
| 68 | 41.2 | 605 |
| 100 | 50 | 500 |
| 150 | 61.2 | 408 |
| 220 | 74.2 | 337 |
| 330 | 90.8 | 275 |
| 470 | 108 | 230 |
| 680 | 130 | 192 |
| 1K | 158 | 158 |
| 1.5K | 194 | 129 |
| 2.2K | 235 | 107 |
| 3.3K | 287 | 87 |
| 4.7K | 343 | 73 |

COMMAND SHAFT 29JF (OPTION)



DIAL CG57 (OPTION)



MARKING

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



| ORDERING INFORMATION | | | | | | |
|----------------------|-------|---------|-------------|-----------|-----------|----------------|
| RT | 025 | ASF | 2201 | K | B | XXX |
| MODEL | STYLE | SPINDLE | OHMIC VALUE | TOLERANCE | PACKAGING | SPECIAL DESIGN |

| GLOBAL PART NUMBER INFORMATION | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------|---------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <table border="1" style="margin: auto;"> <tr> <td>R</td><td>T</td><td>0</td><td>2</td><td>5</td><td>A</td><td>S</td><td>1</td><td>0</td><td>R</td><td>0</td><td>K</td><td>B</td> </tr> </table> | | | | | | | | | R | T | 0 | 2 | 5 | A | S | 1 | 0 | R | 0 | K | B |
| R | T | 0 | 2 | 5 | A | S | 1 | 0 | R | 0 | K | B | | | | | | | | | |
| GLOBAL MODEL | SIZE | LOCKING DEVICE (OPT.) | WINDING (OPT.) | COMMAND SHAFT | OHMIC VALUE | TOLERANCE | PACKAGING | SPECIAL | | | | | | | | | | | | | |
| RT | 025 | D | BXXX or BXXXX As applicable xxx(x) = internal number | AS = standard (Diam: 6 mm) AM AMF AL ASF | 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 4700 = 470 Ω 10R0 = 10 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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