

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



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

ENVIRONMENTAL SPECIFICATIONS

Temperature Range: - 55 °C + 320 °C
Climatic Category: CCTU 454, CEI 55/200/56

ELECTRICAL SPECIFICATIONS

| | |
|------------------------------|---|
| Ohmic Range | 1 Ω to 4.7 k Ω |
| Tolerance Standard | $\pm 10\%$ |
| Power Rating | 25 W at 25 °C |
| Variation Law | Standard: Linear On request: Sectorial winding |
| Dielectric Strength | 1000 V _{RMS} |
| Insulation Resistance | 10 ³ M Ω (500 V _{CC}) |

LOCKING DEVICE

This is supplied as an option.
 The available spindle length is according to the panel thickness.
 Order reference: DBA6



ADAPTATION BOARD

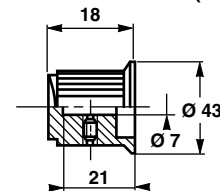
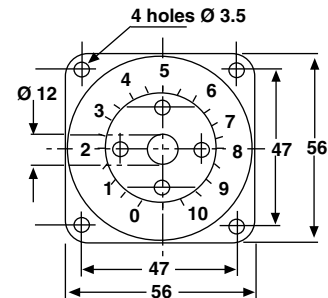
This enables 2 point mounting instead of bush mounting. The adaptation board is supplied as an option with 2 mounting screws. Consequently, the available spindle length is reduced by 9.5 mm.

| 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 |

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

Note

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

COMMAND SHAFT 29JF (OPTION)

DIAL CG57 (OPTION)

MARKING

Vishay Sfernice trademark, series, style, power rating in watts, ohmic value (in Ω or $k\Omega$), 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 | | | | | | | | |
|--|------|-----------------------|--|--|---|---------------------|---|----------------------------|
| <div style="display: flex; justify-content: space-around; font-weight: bold; font-size: 1.2em;"> RT025AS10R0KB </div> | | | | | | | | |
| 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 k Ω 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 |



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Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.