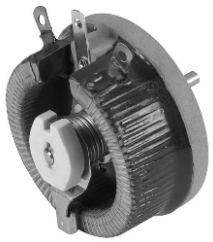
Wirewound Rheostat/Potentiometer



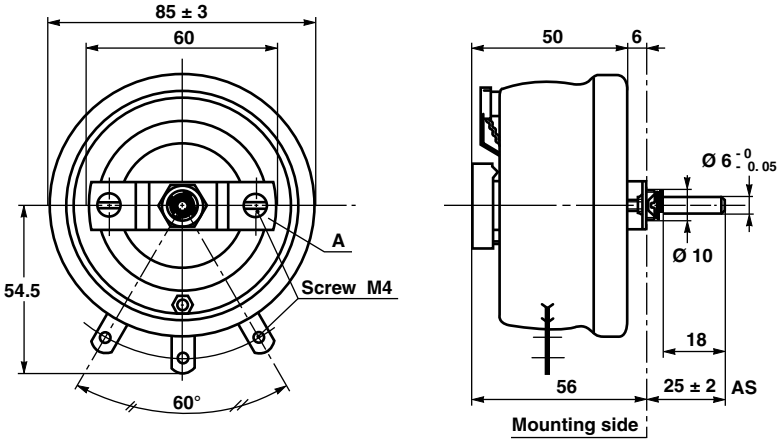
FEATURES

- 100 W at 25 °C
- CCTU 05-03B (PA5)
- Vitreous style
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

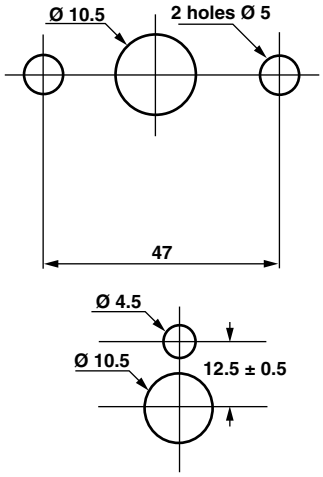
RoHS COMPLIANT

DIMENSIONS in millimeters

RT100-P A5



PANEL CUT OUT DETAILS



STANDARD ELECTRICAL SPECIFICATIONS

MODEL	RESISTANCE RANGE Ω	TOLERANCE ± %	RATED POWER $P_{25\,°C}$ W	VARIATION LAW STANDARD (1)	LIMITING ELEMENT VOLTAGE V	DIELECTRIC STRENGTH V_{RMS}	INSULATION RESISTANCE Ω
RT100	1 to 15K	10	100	Linear	850	1500	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° ± 5°
Operating torque	4 Ncm to 20 Ncm
End stop torque	100 Ncm
Unit weight	400 g

LOCKING DEVICE

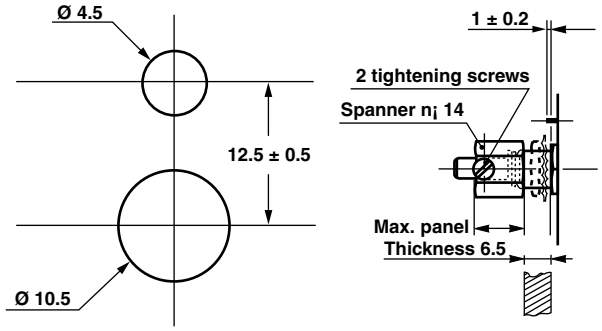
Supplied as an option the spindle locking device can only be fitted to units with control mounting and locating peg.

The part A is removed (see drawing).

The available spindle length is according to the panel thickness.

Order reference: DBA6

PANEL CUT OUT DETAILS

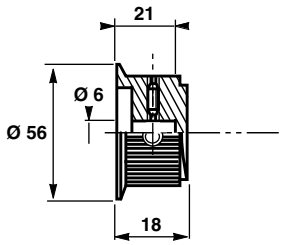


SPINDLES			
Ø mm	DISTANCE TO MOUNTING PLATE mm	SCREW DRIVER SLOT	CODE
6	22	Without	AD
		With	ADF
	25	With	ASF
		Without	AL
	50	Without	AS

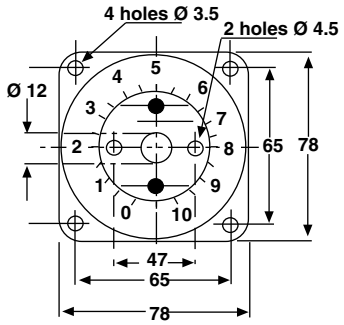
For any special requirement on request: Spindle flats, etc. Please supply detailed drawing.

PARTICULAR CHARACTERISTICS		
NOMINAL RESISTANCE Ω	MAX. SERVICE VOLTAGE V	MAX. CURRENT THROUGH WIPER A
1	10	10
1.5	12.2	8.16
2.2	14.8	6.74
3.3	18.2	5.50
4.7	21.7	4.61
6.8	26.1	3.84
10	31.6	3.16
15	38.7	2.58
22	46.9	2.13
33	57.4	1.74
47	68.6	1.46
68	82.5	1.2
100	100	1
150	122	0.816
220	148	0.674
330	182	0.550
470	217	0.461
680	261	0.384
1K	316	0.316
1.5K	387	0.258
2.2K	469	0.213
3.3K	574	0.174
4.7K	686	0.146
6.8K	825	0.121
10K	850	0.085
15K	850	0.057

COMMAND KNOB 41JF (OPTION)



DIAL CG78 (OPTION)



MARKING

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

ORDERING INFORMATION

RT	100	AL	6801	K	B	XXX
MODEL	STYLE	SPINDLE	OHMIC VALUE	TOLERANCE	PACKAGING	SPECIAL DESIGN

GLOBAL PART NUMBER INFORMATION

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

GLOBAL MODEL	SIZE	LOCKING DEVICE (OPT.)	WINDING (OPT.)	COMMAND SHAFT	OHMIC VALUE	TOLERANCE	PACKAGING	SPECIAL
RT	**100**	**D**	**BXXX** or **BXXXX** As applicable xxx(x) = Internal number	**AS** = Standard (Diam: 6 mm) **AL** **ASF** **AD** **ADF**	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 **22R0** = 22 Ω **0R01** = 0.01 Ω	**J** = 5 % **K** = 10 %	**B** = Box BO1	As applicable **Ex** = DXxx

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Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

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