

Potentiometer Module with 10-turn Precision Potentiometer WW1

Characteristics:

- Precision potentiometer
- 10-turn wire-wound potentiometer
- Adjustment knob with vernier scale
- Additional mounting locations



Description:

The devices of the potentiometer modules WW1 are incorporating a 10-turn wire-wound potentiometer with a precision adjusting knob and a scale from 0 to 100%.

The unit offers two component mounting positions. They are intended to take up pull up and pull down resistors. If there is no resistor required, they can stay unloaded. To get the electrical connection there are two soldering support points each underneath the component mounting positions, which have to be soldered. In the delivery condition the soldering points are closed, so that additional soldering work is not necessary. The connection is made by means of two screw-type terminals 2,5mm² chambers. The unit is mounted on a solid plastic Snap-on.

Application:

Adjusting of the set point input in the control desk -cabinet. Adjusting of external operating points. Adjusting of the actual values.

Order Code:

WW1 - Resistance value: in k Ω

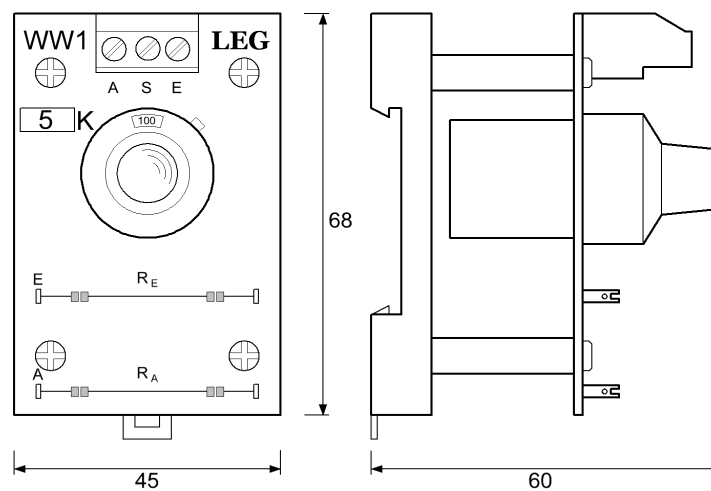
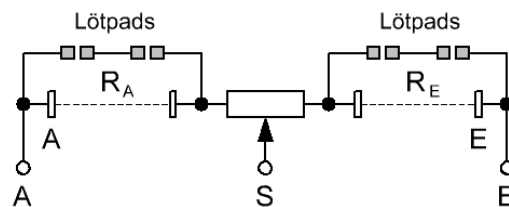
Order example:

WW1-5 WW1 with one 5 k Ω potentiometer
WW1-0, 1 WW1 with one 100 Ω potentiometer

Available resistance values: (*)

100	Ω	
1	k Ω	
2	k Ω	
5	k Ω	standard
10	k Ω	
20	k Ω	
50	k Ω	
100	k Ω	

* More resistance values on request



Technical data:

Potentiometer:

Resistor tolerance	:	±5%
Temperature coefficient	:	20ppm/C°
Resistor material	:	Wire
Loading capacity	:	2W
Turns	:	10
Collector position	:	Right stop to "E"
Scale	:	Vernier scale 0...10, 00
Nominal voltage	:	48VAC / 60VDC
		200V including series resistor with protection against contact

General data:

Operating temperature	:	0...50°C
Storage temperature	:	-25...+85°C, condensation before putting into operation is not allowed
MTBF	:	2850 years Mean Time Between Failures – according to EN 61709 (SN29500). Requirements: Stationary operation in clean rooms, average ambient temperature 40 ° C, permanent operation without forced ventilation, continuous operation
CE conformity	:	EN 61326-1, EN 61000-4-2/3*/4/5/6*, EN 61000-6-4 * during measurements small deviations are possible

Body:

Dimension	:	45x68x60mm
Material	:	PA / V2
Protection category	:	IP00
Fixing	:	2,5mm screw-type terminal
Fixing	:	Snap-on mounting for norm rail TS35
Weight	:	85g
Mounting	:	as you like, side by side

Note on safety:



Disconnect the power supply before attempting to open the unit.

During the operation of this module it is possible that parts of the module, even there is extra-low voltage, (for example shunt measurement) are under dangerous voltage! Therefore a non-observance of this caution may cause damage of property or physical injury.

Only trained qualified personnel should install or operate the unit. Before installation the qualified personnel should read the documentation and should familiarize themselves with the unit.

If there is visible damage to the body of the unit it should be immediately replaced and not put into operation.



Please ensure that there is a sufficient prevention against electrostatic discharge during installation of the unit.

Installation Information:

Pay attention and make sure the unit is far away from mounted sources that may disturb the device such as magnetic coils, transformers, frequency converters etc.

Wiring advise:

Use only shielded cables. The shield is to be connected extensively to ground. Do not mix power- and signal-wires/cables in the same cable tray.

Limited guarantee:

The LEG Industrie-Elektronik GmbH warranted that the product does not have any material or processing defects in a period of 5 years after date of delivery.

It is up to the choice of LEG to repair or to exchange an inoperative unit.

Subsequent damages or any claim for indemnification above the functionality of the unit are excluded.

This limited warranty is only valid if ...

1. the product was installed and put into operation according to the LEG operation documentation;
2. the technical configuration of the power supply was abided;
3. the product was not used for unintended purposes;
4. there were no unauthorized modifications or manipulations, misuse or repairs without previous agreement from LEG .

Our Terms of Trade are based on the "General Conditions for the supply of products and services of the Electrical and Electronics Industry" including the "Complementary Clause: Extended Reservation of Property" of the ZVEI e.V. (German Association of Electrical Manufacturers).

Miscellaneous:

We expressly reserve the right, without previous notice, to correct errors contained in any data of this information brochure, and to make alterations to the program and technical modifications.