



Potentiometer with terminals for panel-mounted installation

Explosion protection

Ex protection type

- II 2G Ex de IIC
- I M2 Ex de I
- Ex de IIC

Certification

- PTB 05 ATEX 1064 U
- IECEx PTB 10.0017 U

Ambient temperature

-55 °C to +60 °C

Technical data

Protection class

determined by actuating element and control station enclosure, terminals IP 20 (IEC 60529).

Rated insulation voltage

500 V

Max. rated voltage

AC/DC 320 V

Resistance

1 kΩ to 10 kΩ

Curve shape

linear

Resistance tolerance

± 20 %

Power consumption

max. 1 W at  $T_a \leq +40$  °C

Resistor material

carbon film on ceramics

Rotation

- mech. 285° -5°
- electr. about approx. 250°

Torque (beginning)

0.5 to 1.5 Ncm

Torque (end stop)

≥ 100 Ncm

Enclosure material

Thermoplastic

Connection

Double terminals 2 x 2.5 mm<sup>2</sup>, fine stranded

Mechanical life

25000 sinusoidal cycles

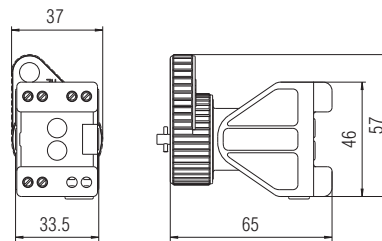
Storage and transport temperature

-55 °C to +70 °C

Weight

approx. 88 g

Dimensions



Selection chart

Wiring diagram	Resistance	Code no.
	1 kΩ	4
	2.2 kΩ	5
	4.7 kΩ	6
	10 kΩ	7

Other resistances on request.

Complete order no.

Potentiometer without actuating element

07-3373-1D  0

Please enter code number.

Actuating element

Standard (scale 1-10)

Order no. 05-0003-007600

Increased oil resistance (scale 1-10)

Order no. 05-0003-007600BN

Notes for installation and inspection:

At rated voltage: ≤ AC 50 V/≤ DC 120 V  
(protection low voltage in accordance with DIN VDE 0100 T. 410)  
potentiometer drive shaft can be operated without actuating element.

At rated voltage: ≥ AC 50 V to max. AC/DC 320 V  
potentiometer drive shaft can only be operated with actuating element or has to be deenergized.