

# Rotary pulse generator BG16



Rotary pulse generator for quick and easy setting of digital values.

- Inexpensive and space-saving solution for quick adjustment processes.
- Forward and reverse adjustment.
- Digit-accurate fine adjustment through precise mechanical detents.
- Direction of rotation detection by two separate exits.
- High reliability thanks to gold contacts.

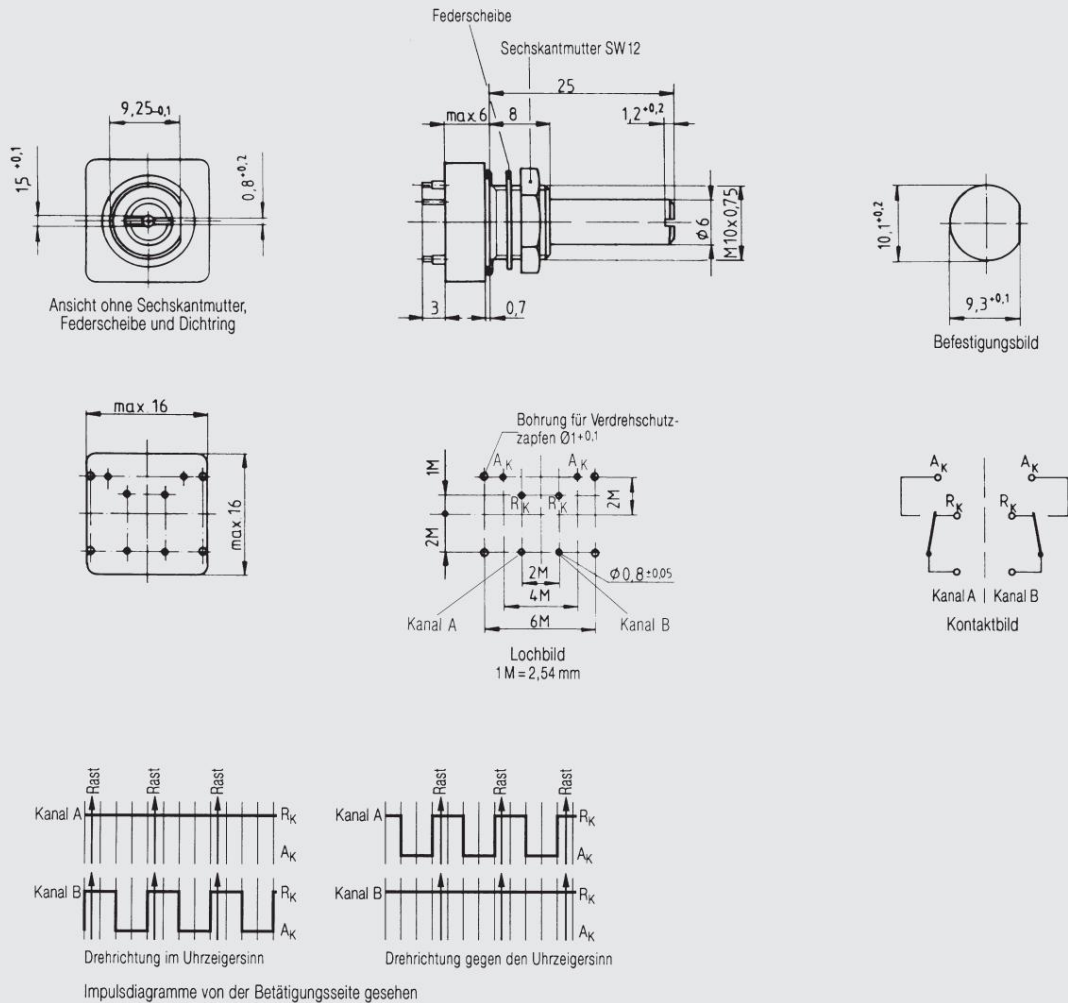
<b>1.0 structure</b>	
1.1 Function	Impulse generator with detent
1.2 Race shop	11°15'
1.3 Locking	32 detent positions per revolution
division 1.4 Direction of rotation	Through two separate exits
detection* 1.5 Connections	soldering pins
1.6 Fastening *See pulse diagram.	Central fastening
<b>2.0 Electrical characteristics</b>	
2.1 Switching capacity max.	1.5 VA/W
2.2 Switching voltage max.	30 V
2.3 Switching current max.	50 mA
2.4 Quiescent current max. at $\bar{y}$ u 20°C	1 A
2.5 Test voltage at 50 Hz/1min.	500 V
2.6 Lifespan without electrical load	$\bar{y}$ 6x106 position changes
	$\bar{y}$ 187000 revolutions
at max. switching power	$\bar{y}$ 6x106 position changes
	$\bar{y}$ 187000 revolutions
2.7 Continuity resistance according to service life	$\bar{y}$ 1 $\bar{y}$
2.8 Isolationswiderstand	$\bar{y}$ 1010 $\bar{y}$
2.9 Capacity between open contacts 2.10 pulses per output	$\bar{y}$ 2pF
	32 pulses/revolution
<b>3.0 Mechanical characteristics</b>	
3.1 Detent 3.2	Mechanically
Actuating torque 3.3	0,3 ± 0,2 Ncm
Tightening torque of the fastening nut $\bar{y}$ 70 Ncm	
3.4 Vibration resistance	10 g,10–500 Hz
3.5 Shock resistance	50 g
3.6 Dust protection	Closed housing
<b>4.0 Other parameters</b>	
4.1 Contact material	At
4.2 Isolationsmaterial	Polybutylentherephthalat, PBTP
4.3 Operating temperature	– 25 to 85°C
4.4 Soldering time and temperature max.	5s at 260°C
<b>Order information</b>	
Type designation	BG 16
1. Rest positions	32 per revolution
2. Wavelength	mm
3. Waveform	S = smooth plastic shaft, standard

The bold data in the yellow order bars cannot be changed.

Normally printed information corresponds to the drawing and can be changed according to your wishes.

Empty fields must be filled in according to the order descriptions on the cover flap.

#### Dimensional drawings · Dimensions in mm



BG16 321 252 \$ 3

BG16 · Bit-Generator