# Incremental encoders

Contact encoder, surface mount housing Pulse ratio 1 rev. = 15 pulses max. 5 rev. = 1 pulse

## G 080



G 080 surface mount housing

## **Features**

- Encoder with mechanical contact
- As trigger for electromechanical counters
- Pulse voltage 12...230 VAC/VDC
- Surface mount housing for measuring wheel
- Ratio up to 1 revolution = 15 impulses
- Reduction ratio up to 5 revolutions = 1 impulse
- High switching capacity
- Robust design

Technical data - electrical ratings	
Voltage supply	12220 V
Pulses per revolution	0.215
Operating principle	Pulse emission in both rotational directions
Contact load	≤30 W (100 VA) ≤230 V (approx. 2 A)
Sensing method	Mechanic
Output frequency	≤0.025 kHz
Output signals	Contact

Technical data - mechanical design	
Size (flange)	ø73 mm
Shaft type	ø7 mm solid shaft (sinter bronze slide bearing)
Protection DIN EN 60529	IP 52
Operating speed	≤1500 rpm
Starting torque	≤0.02 Nm (+25 °C, IP 30)
Material	Housing: GFV Polycarbonat
Operating temperature	-10+60 °C
Relative humidity	95 % non-condensing
Connection	Cable 0.3 m
Weight approx.	250 g
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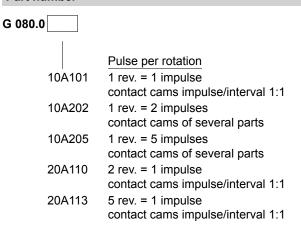
# 26/11/2018 Subject to modification in technic and design. Errors and omissions excepted.

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## Part number



Supplied with PG9 gland and 0.3 m cable 2 x 1 mm.

G 080 is a mechanically-operated encoder providing a surface mount housing. Mechanical rotary movements are converted into impulses by interrupted contact resulting in the existing circuit opening or closing.

## **Dimensions**

