

## 20mm Size Metal Shaft Magnetic Type EM20B Series

### Detail

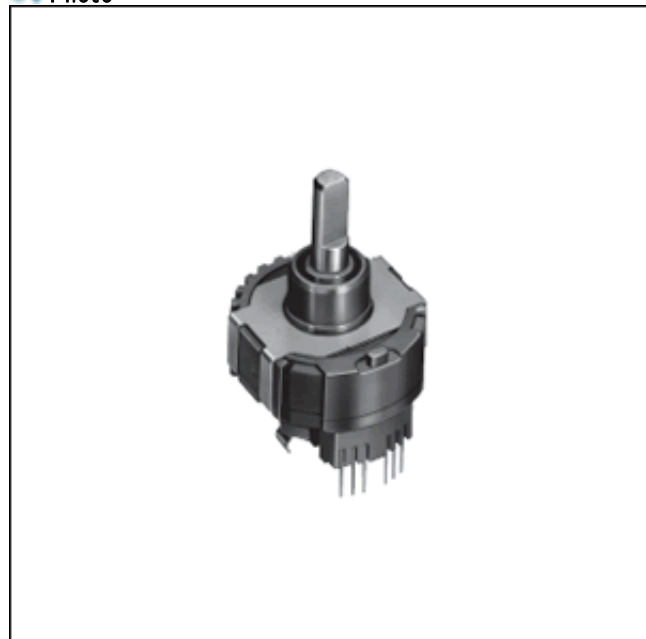
Part number	EM20B4000000
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Actuator length	15.5mm
Number of detent	Without
Number of pulse	40
Operating direction	Vertical
Push-on switch	Without
Display function	Without
Response time	1.3μ sec. (typ.)
Minimum order unit (pcs.)	960

Operating temperature range		-10°C to +70°C
Electrical performance	Ratings	5V±5% DC
	Output signal	V Hi: +4.0V min. V Lo: +0.5V max. (Isink=5mA)
	Output phase	A, B (Square wave)
	Insulation resistance	100MΩ min. 250V DC
	Voltage proof	300V AC for 1 minute
Mechanical performance	Rotational torque	7mNm max.
	Push-pull strength	100N
Resistance to soldering heat	Manual soldering	350°C max. 3s max.
	Dip soldering	260°C max. 3s max.
Durability	Operating life	500,000 cycles
Environmental performance	Cold	-30±3°C for 240h
	Dry heat	80±3°C for 240h
	Damp heat	40±2°C 90 to 95%RH for 240h

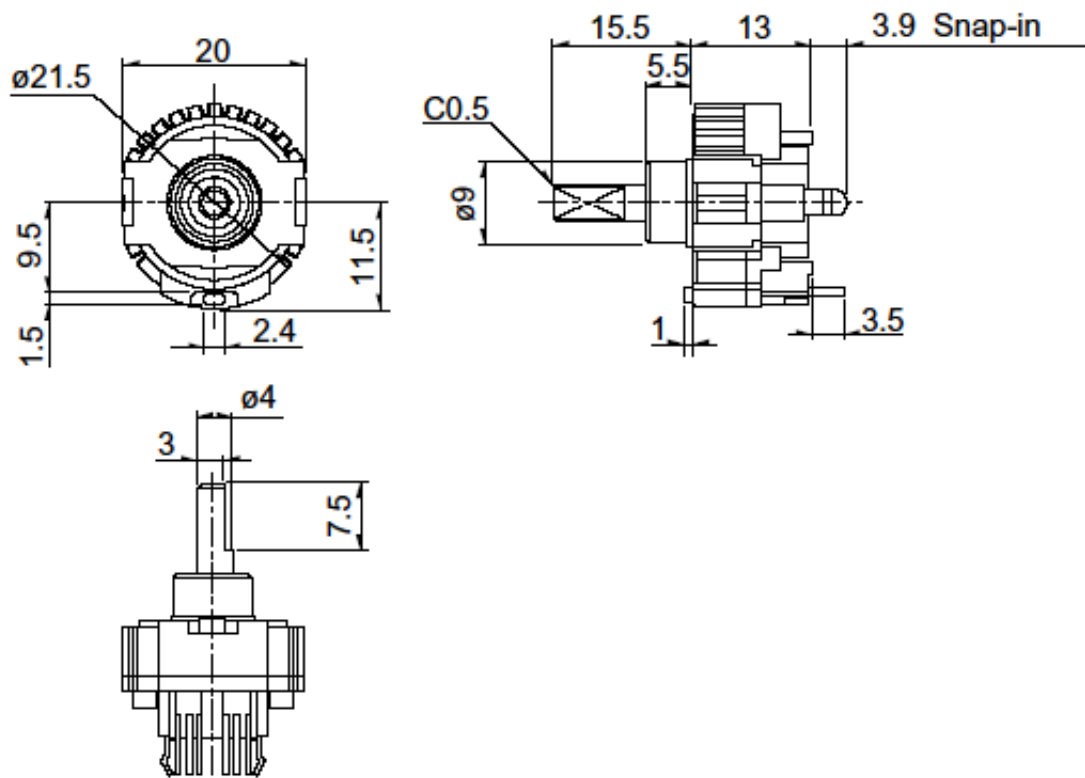
3D CAD (STEP)	
Certificate of Compliance to RoHS regulations	

### Photo



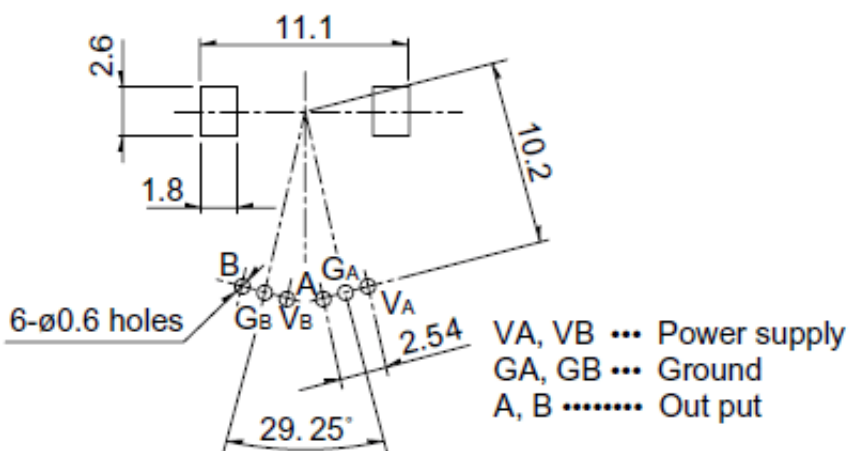
### Dimensions

Unit: mm



#### ● Mounting Hole Dimensions

Unit: mm



Viewed from mounting side.

#### ● Packing Specifications

Tray

Number of packages (pcs.)	1 case / Japan	480
	1 case / export packing	960
Export package measurements (mm)		378 × 527 × 262

#### >> NOTE

Notes are common to this series/models.

1. This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. This products uses a Hall IC. Be aware of ESD damages.
3. Custom design for shaft configuration are available upon request.
4. Please place purchase orders per minimum order unit (integer).