

ENX 10 GAMA Encoder \varnothing 10 mm, 12 CPT

Radiation-resistant



ENX

Key data		GAMA incremental
Number of channels		2
Counts per turn ¹		12
Encoder length L ²	mm	8.0
Ambient temperature	°C	-20 +105
Weight	g	<5

Selection criteria	GAMA incremental
Speed and rotation direction detection	■
Speed and position control	▲
Compact and robust design	■
High resolution	▲
Cost effective	■

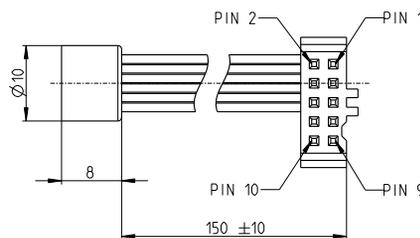
■ suitable ▲ suitable to a limited extent ● not suitable

Specifications	GAMA incremental	GAMA radiation resistance
Supply voltage V _{cc}	V 5 ±0.5	 The GAMA encoder type is resistant to ionizing radiation Tested with a Co60 radiation source (gamma radiation) at up to 18 krad/h and a maximum radiation dose (TID) of 500 krad.
Typical current draw	mA 9.5	
Max. operating frequency	kHz 24	
Max. Speed	rpm 60 000	
Connector	10-pin 2.54 mm multipoint connector (IEC/EN 60603-13 / DIN41651)	
	Pin 1 Motor +	
	Pin 2 V _{cc}	
	Pin 3 channel A	
	Pin 4 channel B	
	Pin 5 GND	
	Pin 6 Motor -	
	Pin 7 not connected	
	Pin 8 not connected	
	Pin 9 not connected	
	Pin 10 not connected	
	Output signal: TTL compatible, push-pull	
	Output current per channel: ±10 mA	



Configurations	GAMA incremental
Connector	6-pin, 10-pin
Cable length	mm 50, 100, 150, 200, 300, 500

Modular system	Page	Dimensions standard version	M 1:1	Notes
DC motor				
RE 10, 0.75 W	132			¹ maxon controllers require a resolution of at least 16 counts per turn.
RE 10, 1.5 W	134			² The length shown here refers only to the encoder. The additional length when mounted on a motor, or the effective length of a motor/encoder combination, can be found on the respective dimensional drawing.



Maximum permissible cable/plug continuous current: 1.2 A.

Ordering information: For motors that cannot be configured online, use the part number **714457** when ordering the ENX 10 GAMA.

Further technical details can be found in the product information in the online shop under Downloads.