

ENX 13 GAMA Encoder Ø13 mm, 16 CPT

Radiation-resistant




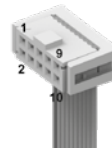
ENX

Key data		GAMA incremental
Number of channels		2
Counts per turn		16
Encoder length L ¹	mm	7.0...9.0
Ambient temperature	°C	-20...+105
Weight	g	<5

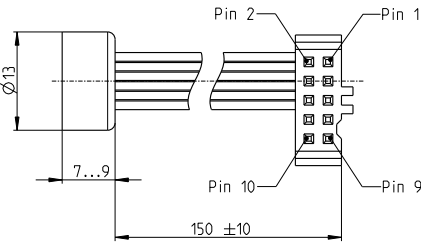
Selection criteria	GAMA incremental
Speed and rotation direction detection	■
Speed and position control	▲
Compact and robust design	■
High resolution	▲
Cost effective	■

■ suitable ▲ suitable to a limited extent ● not suitable

Specifications	GAMA incremental	GAMA Radiation resistance
Supply voltage V _{cc}	V	5 ±0.5
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)	 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.
	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			Notes ¹ 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 714445 when ordering the ENX 13 GAMA.	
DC-max 16 S	121-122			
DC-max 22 S	123-124			
DC-max 26 S	125-126			
RE 13	135-150			
RE 16	151-155			
A-max 16	171-174			
A-max 19	175-178			
A-max 22	179-182			
A-max 26	183-186			

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