

THROUGH-SHAFT ENCODER MODELS

EN14 EN20 EN25 ENP6

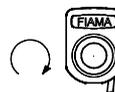
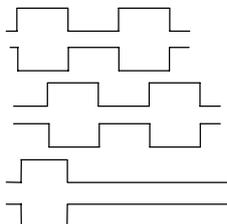


The EN14, EN20 are through-shaft incremental encoders which convert a rotary movement into coded digital pulses.

A remarkable feature of these encoders is their ease of installation, which is carried out by simply inserting the hollow shaft into the drive shaft and locking the three grub screws.

Connection

Brown	+ Vdc
Yellow	signal A
Orange	signal /A
White	signal B
Purple	signal /B
Grey	signal Z
Black	signal /Z
Green	GND
Shield	n.c.



Assembling precautions

- ◆ **IMPORTANT: Ensure that the assembling shaft (tolerance h7) is perpendicular to the support base and rotate aligned.**
- ◆ After having secured the encoder and before tightening the grub screws, rotate the hollow shaft to ensure that it turns smoothly.
- ◆ Do not exceed the maximum allowable rpm.
- ◆ For electrical connections always use a shielded cable (with shield connected to GND) which must be kept separate from power lines or sources of electromagnetic interference.
- ◆ Make the electrical connections with due care and attention: a failure due to a connection error renders the guarantee null and void.
- ◆ The power supply must fall within the admissible range, a value exceeding this range or an alternate current could damage the encoder

Technical Characteristics	ENP6 F20		ENP6 F25		ENP6_Z F20		ENP6_Z F25	
	EN14	EN20	EN25	EN14_Z	EN20_Z	EN25_Z		
◆ Hole in through-shaft (mm) (other holes with reducer bushes)	φ14 H7	φ20 H7	φ25 H7	φ14 H7	φ20 H7	φ25 H7		
◆ Max .continuous. rotation speed (RPM)	2000	2000	400	2000	2000	400		
◆ Max. short period speed (RPM)	-	-	1000	-	-	1000		
◆ Power supply	5 Vdc ±10%, o 10-30Vdc, protection against polarity inversion							
◆ Resolution	50, 60, 90, 100, 200, 250, 500 pulses/rev							
◆ Output signals	signals A and B in quadrature zero signal							
◆ Type of output	line-driver							
◆ Maximum output current	20 mA							
◆ Length of screened cable	2m, ecc...							
◆ Technopolymer, blow-resistant, self-extinguishing housing resistant to solvents, petrol, oils & grease.								
◆ Degree of protection	IP54							
◆ Colour	Black							
◆ Temperature of operation	-10 ÷ 70 °C							
◆ Relative humidity	35 ÷ 85 %							
◆ Weight	100 gr							
◆ Directive: 2014/30/EU Electromagnetic compatibility, 2011/65/EU RoHS								