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Code	Project	Revision	Title		
<i>ST14</i>	<i>A02</i>	В	TECHNICAL DATASHEET		

OPTICAL ENCODER EN38BB

GENERAL FEATURES

- Incremental optical rotary encoder with small overall. dimensions.
- Flange and body made of aluminium.
- Sealed cable output either radial or axial position.



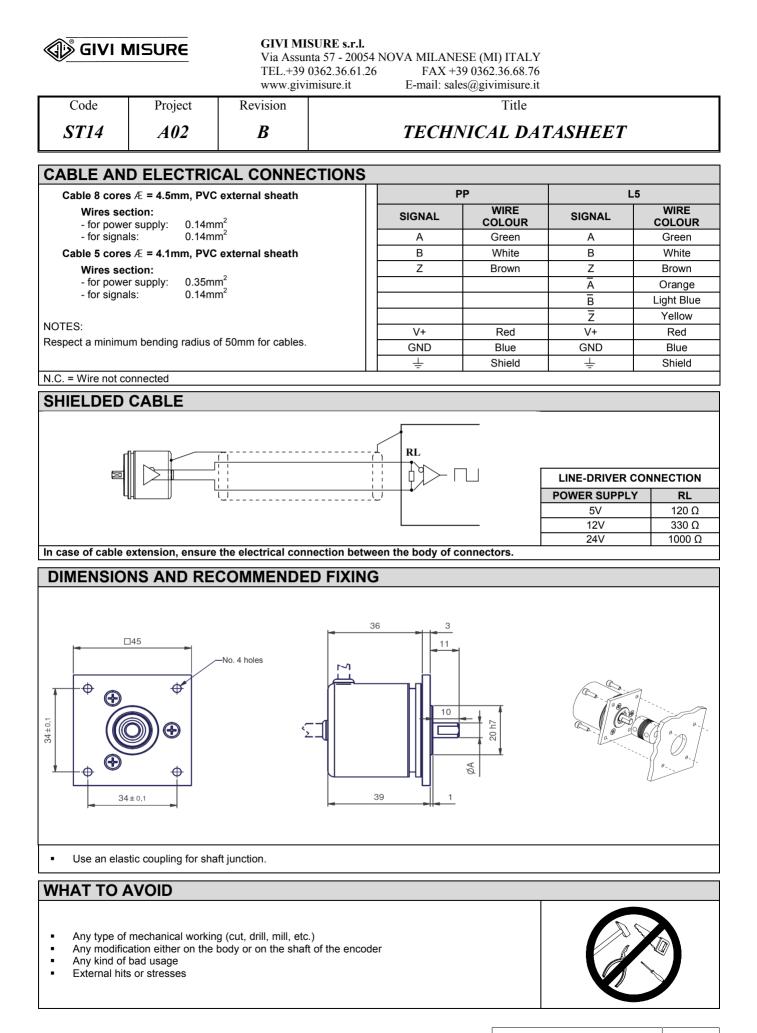
MECHANICAL AND ELECTRICAL FEATURES

ECHANICAL	Cod. EN38BB	PP	L5
	Pulses per revolution	from 5 to 3600 ppr	
ange and body made of aluminium. ng for high protection.	Max. rotating speed	momentary permanent	8000rpm 6000rpm
aft made of stainless steel.	Max. load on shaft	30 N (radial) - 30 N (axial) ø6 h7 - ø8 h7	
l bearings.	Shaft (diameter A x length L) mm		
tring diameter 20mm. n rotational precision.	Protection class	IP65 (standard) * IP67 (optional)	
gh protection against environmental conditions.	Operating temperature	0 ÷ 70° C	
	Storage temperature	-20 ÷ 80° C	
CTRICAL	Humidity	20 ÷ 90 % (not condensed)	
	Power supply	5 ÷ 28V	′ ± 10%
otection against shortcuts.	Current consumption at 5V	40 mA	
h stability of output signals.	Max. output current	40 mA	70 mA
	Max. frequency	120 kHz	
	Output	Push-Pull	Line Drive
	Standard length of cable	Standard length of cable 1m Electrical connections see rel. table Electrical protections inversion of power supply polarity short-circuits on output port	
	Electrical connections		
	Electrical protections		
	Weight	80 g	

* It is important to note that shaft rotates more freely in the version with protection class IP65.

ORDERING CODE										
MODEL	CABLE OUTPUT	PPR	POWER SUPPLY	SHAFT Ø	CABLE	OUTPUT	OPTIONS			
EN38BB	HR	xxxxx	05V	D06	M01	L5 C	V2			
HR = radial HA = axial		05V = 5∨ 0528 = 5÷28∨	D06 = ø6mm D08 = ø8mm	M0.5 = 0.5m M01 = 1m M40 = 40m _{MAX}	L5 C = LINE DRIVER PP C = PUSH-PULL	No code = standard configuration V2 = protection class IP67				

Example ~ OPTICAL ENCODER EN38BB HR 00300 05V D06M01 L5 C V2



Without prior notice, the products may be subject to modifications that the Manufacturer reserves to introduce as deemed necessary for their improvement.

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