

INCREMENTAL ENCODERS series REC

REFERENCE GUIDE



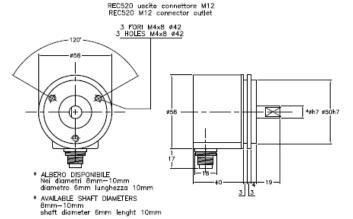
CERTIFICATE NO. E510647

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS REC520/540/620 REC440/450				
 Materials: housing shaft 		inium ISI 303		
Weight	210 g circa			
• Shaft/jHollow shaft Ø mm	10, 9,52, 8, 6	8, 10, 12, 14, 15		
Revolutions/minute	6000 continuos/	10000 temporary		
Starting torque	≤0,8			
• Inertia	≤25 g	g cm²		
 Max load 	80 N axial/1	100 N radial		
 Vibration resistance (10÷2000 Hz) 	100 m/sec ²			
 Shock resistance (11 ms) 	50 G			
 Protection degree 	IP65			
Operating temperature	-10 ÷ 70°C			
Ambient temperature	80°C	max		
Stocking temperature	-20 ÷ 80°C			

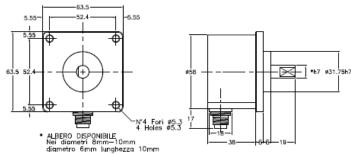
ELECTRICAL & OPERATING SPECIFICATIONS				
Pulse code	Incremental			
Pulses/revolution	2 ÷ 12500			
• Zero pulse	One pulse/revolution (REC521/541/621/REC441/451)			
Output signals	Two square waves 90° ±15° out of phase – Zero pulse width: 90°±15°			
Electronic output	push-pull, line driver 5Vdc or 5/30Vdc signals protected against short circuits			
 Supply voltage 	5/30Vdc protection against polarity reversal			
 Absorption 	30÷80 mA max			
 Max. frequency 	100 KHz/200 HKz for ppr>1250			
Connections	5-pin M12 radial plug connector 8-pin connector for line driver output Optional: tap connector with cable			

CONNECTION Push Pull	IS	Line Driver		
SIGNALS	5-pin connector	SIGNALS	8-pin connector	
Out 1	pin 2	Out 1	pin 1	
Out 2	pin 4	Out 2	pin 3	
Out Z(types with 0)		Out Z(types with 0)	pin 5	
+ Vdc	pin 1	+ Vdc	pin 8	
OV pin 3	0V	pin 7		
	Out 1	pin 2		
	Out 2	pin 4		
	Out Z(types with 0)	pin 6		

DIMENSIONS



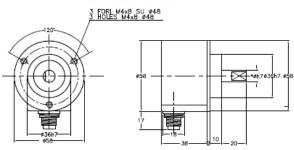
REC620 uscita connettore M12 REC620 M12 connector outlet



digmetro 6mm lunghezza 10mm

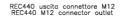
* AVAILABLE SHAFT DIAMETERS
8mm-10mm
shaft diameter 6mm lenght 10mm

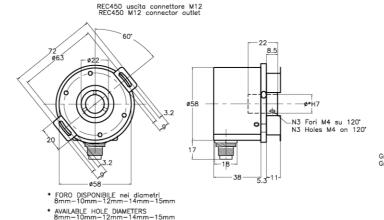
REC540 uscita connettore M12 REC540 M12 connector outlet

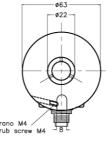


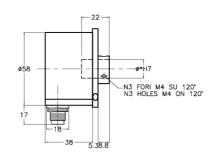
- ALBERINO DISPONIBILE
 Nei diametri 8mm—10mm
 diametro 6mm lunghezza 10mm
- AVAILABLE SHAFT DIAMETERS 8mm-10mm shaft diameter 6mm lenght 10mm

Rif M1483V









- * FORO DISPONIBILE nei diametri 8mm-10mm-12mm-14mm-15mm
- * AVAILABLE HOLE DIAMETERS 8mm-10mm-12mm-14mm-15mm

Rif. M1540

REFERENCES

Further information at:

https://www.elap.it/incremental-encoders/encoder-rec/

