

ENC58™



Extended Line

- Standard dimension Ø58mm
- Hollow or solid shaft
- High resolution
- Programmable
- 10000 PPR native guaranteed resolution

APPLICATIONS

- Motion control
- Automated machinery
- Conveyor lines



MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Case dimension	Ø 58 mm, depth 54 mm
Shaft dimension	Hollow Ø 14 or 15 mm, solid Ø 6 or 10 mm
Shaft loading (axial and radial)	100 N max.
Shaft rotational speed	6000 rpm continuous, 12000 rpm temporary
Starting torque at 20 °C	≤ 1 Ncm (typ.)
Bearings life	10 ⁹ min.
Weight	0.3 kg (10 oz) ca.
Case material	Aluminium anticorrosive UNI EN AW-6082
Flange material	Aluminium anticorrosive UNI EN AW-6082
Shaft material	Stainless steel non-magnetic UNI EN 4305
Bearings material	ABEC 5
Mechanical protection	IP64
Shock resistance	100g, 6 ms (MIL STD 202F)
Vibration resistance	10 g, 5-2000 Hz (MIL STD 202F)
Operating temperature	-25 to +85°C (-13 to 185°F)
Storage temperature	-25 to +85°C (-13 to 185°F), 98% R.H. non condensing

Note: specifications subject to changes without prior notice, please refer to the user manual received with the product for mounting, wiring and operation.

MODEL SELECTION

HOLLOW SHAFT MODELS				
SHAFT	CONNECTION	RESOLUTION	MODEL	ORDER NO.
Hollow shaft Ø14 mm	Cable 1.5m	500 PPR	ENC58-H14-0500-C15	95B080510
		1000 PPR	ENC58-H14-1000-C15	95B080520
		1024 PPR	ENC58-H14-1024-C15	95B080530
		2000 PPR	ENC58-H14-2000-C15	95B080540
		2048 PPR	ENC58-H14-2048-C15	95B080550
		2500 PPR	ENC58-H14-2500-C15	95B081550
		5000 PPR	ENC58-H14-5000-C15	95B080560
		10000 PPR	ENC58-H14-10000-C15	95B080570
	M12 conn.	500 PPR	ENC58-H14-0500-M12	95B080660
		1000 PPR	ENC58-H14-1000-M12	95B080670
		1024 PPR	ENC58-H14-1024-M12	95B080680
		2000 PPR	ENC58-H14-2000-M12	95B080690
		2048 PPR	ENC58-H14-2048-M12	95B080700
		2500 PPR	ENC58-H14-2500-M12	95B081570
		5000 PPR	ENC58-H14-5000-M12	95B080710
		10000 PPR	ENC58-H14-10000-M12	95B080720
	M23 conn.	500 PPR	ENC58-H14-0500-M23	95B080580
		1000 PPR	ENC58-H14-1000-M23	95B080590
		1024 PPR	ENC58-H14-1024-M23	95B080600
		2000 PPR	ENC58-H14-2000-M23	95B080610
		2048 PPR	ENC58-H14-2048-M23	95B081560
		2500 PPR	ENC58-H14-2500-M23	95B080620
		5000 PPR	ENC58-H14-5000-M23	95B080630
		10000 PPR	ENC58-H14-10000-M23	95B080640
Hollow shaft Ø15 mm	Cable 1.5m	500 PPR	ENC58-H15-0500-C15	95B080740
		1000 PPR	ENC58-H15-1000-C15	95B080750
		1024 PPR	ENC58-H15-1024-C15	95B080760
		2000 PPR	ENC58-H15-2000-C15	95B080770
		2048 PPR	ENC58-H15-2048-C15	95B080780
		2500 PPR	ENC58-H15-2500-C15	95B081580
		5000 PPR	ENC58-H15-5000-C15	95B080790
		10000 PPR	ENC58-H15-10000-C15	95B080800
	M12 conn.	500 PPR	ENC58-H15-0500-M12	95B080890
		1000 PPR	ENC58-H15-1000-M12	95B080900
		1024 PPR	ENC58-H15-1024-M12	95B080910
		2000 PPR	ENC58-H15-2000-M12	95B080920
		2048 PPR	ENC58-H15-2048-M12	95B080930
		2500 PPR	ENC58-H15-2500-M12	95B081600
		5000 PPR	ENC58-H15-5000-M12	95B080940
		10000 PPR	ENC58-H15-10000-M12	95B080950
	M23 conn.	500 PPR	ENC58-H15-0500-M23	95B080810
		1000 PPR	ENC58-H15-1000-M23	95B080820
		1024 PPR	ENC58-H15-1024-M23	95B080830
		2000 PPR	ENC58-H15-2000-M23	95B080840
		2048 PPR	ENC58-H15-2048-M23	95B080850
		2500 PPR	ENC58-H15-2500-M23	95B081590
		5000 PPR	ENC58-H15-5000-M23	95B080860
		10000 PPR	ENC58-H15-10000-M23	95B080870
	Programmable	ENC58-H15-PROG-M23	95B080880	

SOLID SHAFT MODELS				
SHAFT	CONNECTION	RESOLUTION	MODEL	ORDER NO.
Solid shaft ● Ø6 mm	Cable 1.5m	500 PPR	ENC58-S06-0500-C15	95B080140
		1000 PPR	ENC58-S06-1000-C15	95B080150
		1024 PPR	ENC58-S06-1024-C15	95B080160
		2000 PPR	ENC58-S06-2000-C15	95B080170
		2048 PPR	ENC58-S06-2048-C15	95B080180
		2500 PPR	ENC58-S06-2500-C15	95B081500
		5000 PPR	ENC58-S06-5000-C15	95B080190
	M23 conn.	10000 PPR	ENC58-S06-10000-C15	95B080200
		500 PPR	ENC58-S06-0500-M23	95B080210
		1000 PPR	ENC58-S06-1000-M23	95B080220
		1024 PPR	ENC58-S06-1024-M23	95B080230
		2000 PPR	ENC58-S06-2000-M23	95B080240
		2048 PPR	ENC58-S06-2048-M23	95B080250
		2500 PPR	ENC58-S06-2500-M23	95B081510
Solid shaft ● Ø10 mm	Cable 1.5m	5000 PPR	ENC58-S06-5000-M23	95B080260
		10000 PPR	ENC58-S06-10000-M23	95B080270
		500 PPR	ENC58-S10-0500-C15	95B080280
		1000 PPR	ENC58-S10-1000-C15	95B080290
		1024 PPR	ENC58-S10-1024-C15	95B080300
		2000 PPR	ENC58-S10-2000-C15	95B080310
		2048 PPR	ENC58-S10-2048-C15	95B080320
	M12 conn.	2500 PPR	ENC58-S10-2500-C15	95B081520
		5000 PPR	ENC58-S10-5000-C15	95B080330
		10000 PPR	ENC58-S10-10000-C15	95B080340
		500 PPR	ENC58-S10-0500-M12	95B080430
		1000 PPR	ENC58-S10-1000-M12	95B080440
		1024 PPR	ENC58-S10-1024-M12	95B080450
		2000 PPR	ENC58-S10-2000-M12	95B080460
M23 conn.	2048 PPR	ENC58-S10-2048-M12	95B080470	
	2500 PPR	ENC58-S10-2500-M12	95B081540	
	5000 PPR	ENC58-S10-5000-M12	95B080480	
	10000 PPR	ENC58-S10-10000-M12	95B080490	
	500 PPR	ENC58-S10-0500-M23	95B080350	
	1000 PPR	ENC58-S10-1000-M23	95B080360	
	1024 PPR	ENC58-S10-1024-M23	95B080370	
	2000 PPR	ENC58-S10-2000-M23	95B080380	
	2048 PPR	ENC58-S10-2048-M23	95B080390	
2500 PPR	ENC58-S10-2500-M23	95B081530		
5000 PPR	ENC58-S10-5000-M23	95B080400		
10000 PPR	ENC58-S10-10000-M23	95B080410		
Programmable	ENC58-S10-PROG-M23	95B080420		