

EAM 58 F - 63 F / G PROFIBUS

BLIND HOLLOW SHAFT MULTITURN ABSOLUTE ENCODER



Specifications

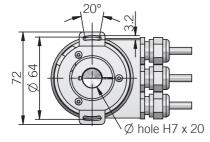
Industry standard multiturn absolute encoder for factory automation applications.

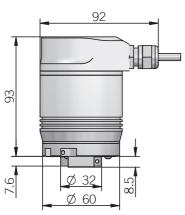
- · Optical sensor technology (OptoASIC + gears)
- \cdot 25 bit total resolution (13 bit single turn (8192 ppr) + 12 bit multiturn (4096 turns))
- · Power supply up to +28 VDC with Profibus DP as electronic interface
- · Intelligent status leds
- · Terminal box or M12 connectors for fast setup
- · Blind hollow shaft up to 15 mm diameter
- · Mounting by stator coupling, spring or anti-rotation pin

ORDERING CODE	EAM	63F	R	4096	/ 4096	В	12/28	FXX	8	X	3	P3R	. XXX
ORDERING CODE	SERIES multiturn absolute encoder EAM blind hollow shaft with stator coup blind hollow shaft with sp blind hollow shaft with anti-rotation	MODEL oling 58F oring 63F opin 63G	rev. 2.0 R ITURN RES tu	SOLUTION Irns 4096 ETURN RES	COLUTION 96 / 8192 CO	DDE TYPE binary B POWE 12 28 V ELEC	R SUPPLY DC 12/28 Tronic in DP VO CLA	ITERFACE ASS 2 FXX BORE D	JAMETER mm 8 8") mm 9 mm 10 mm 12 mm 14 mm 15	E RATING IP 54 X X rotatic	ON SPEED	P3R	. XXX
									torminal			PUT TYPE	
					female o	connector i	included, w	vithout fen	terminal l nale please	radial M1	2 connect	ors M12R	
												custom ver	VARIANT sion XXX



EAM 58 F

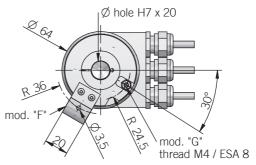


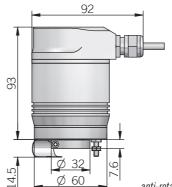


ELECTRICAL SPECIFICATIONS				
Multiturn resolution	1 4096 turns programmable during commissioning			
Singleturn resolution	2 4096 / 2 8192 ppr pro- grammable during commissioning			
Power supply	12/28 = 11,4 29,4 V DC			
Current consumption without load	300 mA			
Output type	RS 485 galvanically isolated			
Max bus frequency	12 Mbaud			
Diagnostic features	frequency warning position warning / alarm please refer to installation guide for more informations			
Max frequency	25 kHz LSB			
Accuracy	± 1/2 LSB			
Counting direction	programmable during commissioning			
Start-up time	500 ms			
Electromagnetic compatibility	IEC 61000-6-2 IEC 61000-6-4			

CONNECTIONS			
Function	S3 connector 5-pin (power supply)	S3 connector 5-pin (line out)	S3 connector 5-pin (line in)
+ Vdc	2		
0 Volt	4		
signal A (out)		2	
signal B (out)		4	
signal A (in)			2
signal A (in)			4

EAM 63 F - G





anti-rotation pin is included in model G, for mounting instruction please refer to product installation notes

MECHANICAL SPECIFICATIONS			
Bore diameter	ø8*/9*/10*/12*/14/15 mm		
Enclosure rating	IP 54 (IEC 60529)		
Max rotation speed	3000 rpm		
Shock	50 G, 11 ms (IEC 60068-2-27)		
Vibration	10 G, 10 2000 Hz (IEC 60068-2-6)		
Moment of inertia	5 x 10 ⁻⁶ kgm ²		
Starting torque (at +20°C / +68°F)	< 0,02 Nm		
Body material	EN-AW 2011 aluminum		
Shaft material	1.4305 / AISI 303 stainless steel		
Housing material	painted aluminium		
Bearings	2 ball bearings		
Bearings life	10 ⁹ revolutions		
Operating temperature	0° +60°C (+32° +140°F)		
Storage temperature Fixing to que for collar clamping	-15° +70°C (+5° +158°F) 1,5 Nm recommended		
Weight	650 g (22,93 oz)		

* with supplied adapter shaft

S3 connector (M12 5 pins A coded) power supply view solder side FV



S3 connector (M12 5 pins B coded) line out view solder side FV



S3 connector (M12 5 pins B coded) line in view solder side MV

