

## Annexure-2

### 1) ABSOLUTE ROTARY ENCODER - Multiturn Ethercat Interface based as per specifications in annexure-1

SL.no	Description	Specifications	
1	Product Family	AC58	
2	Make	Hengstler /Heidenhein or equivalent	
3	Interface	<b>ETHERCAT</b>	
4	Part Number	<b>AC58/1222ES.71ECR</b>	
5	Type	Multi-turn	
6	Ordering Information	RotaryEncoderAC58	
7	Function / Application	Absolute	
8	Technology	Optical	
9	Approval	UL	
10	Connector Type	CE	
11	Housing Diameter [mm]	58 mm	
12	Solid shaft	Solid 6 mm	
13	Protection Rating Housing	IP67	
14	Operating Temperature [°C]	-40 ... +100 °C (depending on interface used)	
15	Housing Option	Aluminium	
16	Connection	M23 connector (Conin), 12 pole	
17	Revolutions [rpm]	6,000 ... 10,000 rpm	
18	Resolution ST [Bit]	22 bit	
19	Resolution MT [Bit]	12 Bit	
20	Absolute accuracy (typ.)	±35" (35 arc second)	
21	Repeatability (typ.)	±10" (10 arc second)	
22	Material shaft	Stainless Steel	
23	Material housing	Aluminium	
24	Supply voltage	DC 10-30 V	
25	warranty	1 year minimum	
26	Required Standard accessories	Spare cable with m12 connectors with 3 meter or more power and Ethercat cables suitable for bench test.	
27	Required Spare connectors	Spare M12 connectors (4 no's)	