

EAM58-ENND

ARTICLE PROPERTIES

TYPE	EtherNet/IP interface absolute multiturn encoder
SIZE	Ø 58

TECHNICAL DATA

SHAFT DIAMETER	Ø 6 / Ø 10g6 mm (Solid Shaft)	STARTING TORQUE	≤ 3 N·cm
HOLLOW SHAFT DIAMETER	Ø 8 / Ø 10/ Ø 12 / Ø 15H7 mm	BODY MATERIAL	Aluminum
SPEED	6000 rpm	HOUSING MATERIAL	AL 6060
BEARING LIFE	10 ⁹ revolution	FLANGE MATERIAL	Aluminum
MOMENT OF INERTIA	1.8 x 10 ⁻⁶ kgm ²	WEIGHT	~600 g

ENVIRONMENTAL CONDITIONS

PROTECTION CLASS	IP65	OPERATING TEMPERATURE	-40 ... +80 °C
MAX LOAD CAPACITY OF THE SHAFT	80 N axial, 160 N radial	STORAGE TEMPERATURE	-45 ... +85 °C
SHOCK RESISTANCE (EN 60068-2-27)	50 g, 11 ms	RELATIVE HUMIDITY / CONDENSATION	90%, condensation not permitted
VIBRATION RESISTANCE (EN 60068-2-6)	10 g, 10 ... 1000 Hz		

ELECTRICAL PARAMETERS

INTERFACE	EtherNet/IP	SUPPLY VOLTAGE	10 ... 30 V DC
PROGRAMMING FUNCTIONS	Resolution, time base and filter for velocity, preset, counting direction, IP-Adress	CURRENT CONSUMPTION	≤ 230 mA ... 10 V DC ≤ 100 mA ... 24 V DC
TRANSMISSION RATE	10 / 100 Mbit	POWER CONSUMPTION	≤ 2.5 W
INTERFACE CYCLE TIME	> 1 ms	START-UP TIME	< 250 ms
REVOLUTION	4096 (12 bits)	ACCURACY (INL)	±0.0439°
RESOLUTION/REVOLUTION	8192 (13 bits)		

ELECTRICAL CONNECTION

CONNECTION ORIENTATION	Radial	POWER SUPPLY	M12, 4-pin, A-coded, Male
BUS PORT 1	M12, 5-pin, D-coded, Female	BUS PORT 2	M12, 5-pin, D-coded, Female

EAM58-ENND

STANDARDS AND DIRECTIVES

LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR EN IEC 61000-6-2
EN IEC 61000-6-4

APPROVALS

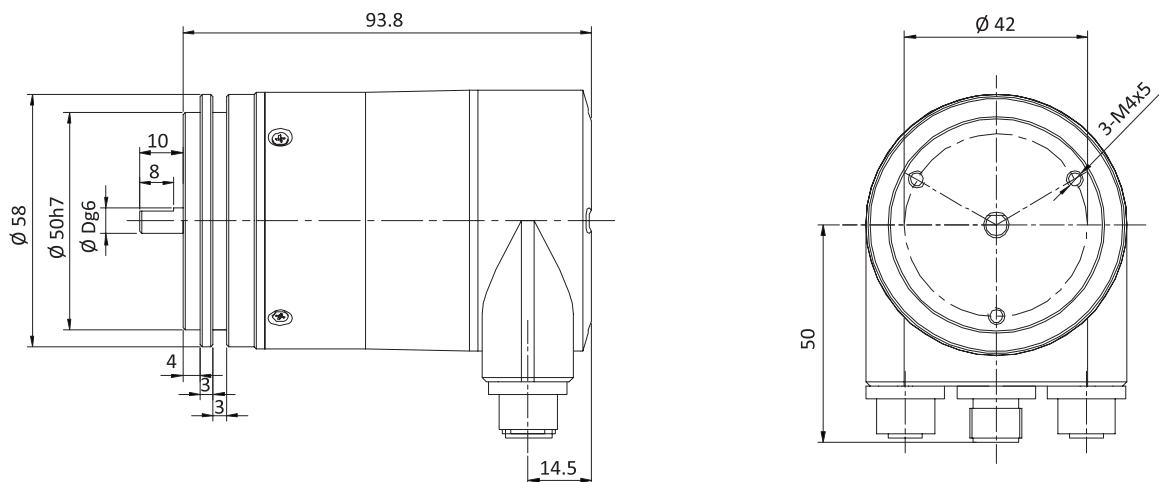


TERMINAL ASSIGNMENT

Function	M12 connector						
Bus Port 1	Signal	Transmit data+	Receive data+	Transmit data-	Receive data-		
	Abbreviation	TxD+	RxD+	TxD-	RxD-		
	Pin number	1	2	3	4		
Power Supply	Signal	Voltage+	-	Voltage-	-		
	Abbreviation	+V	-	0 V	-		
	Pin number	1	2	3	4		
Bus Port 2	Signal	Transmit data+	Receive data+	Transmit data-	Receive data-		
	Abbreviation	TxD+	RxD+	TxD-	RxD-		
	Pin number	1	2	3	4		

DIMENSIONS (mm)

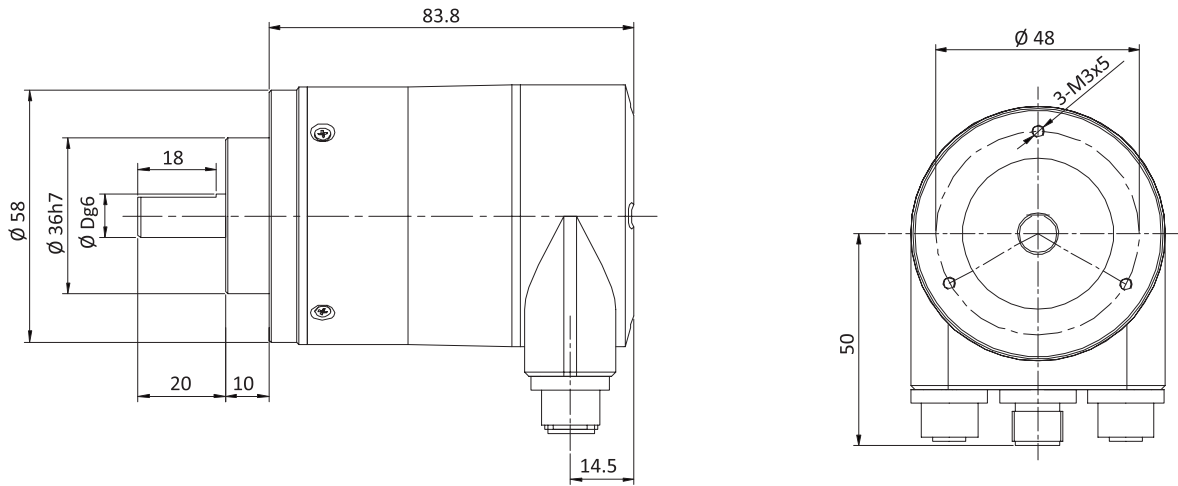
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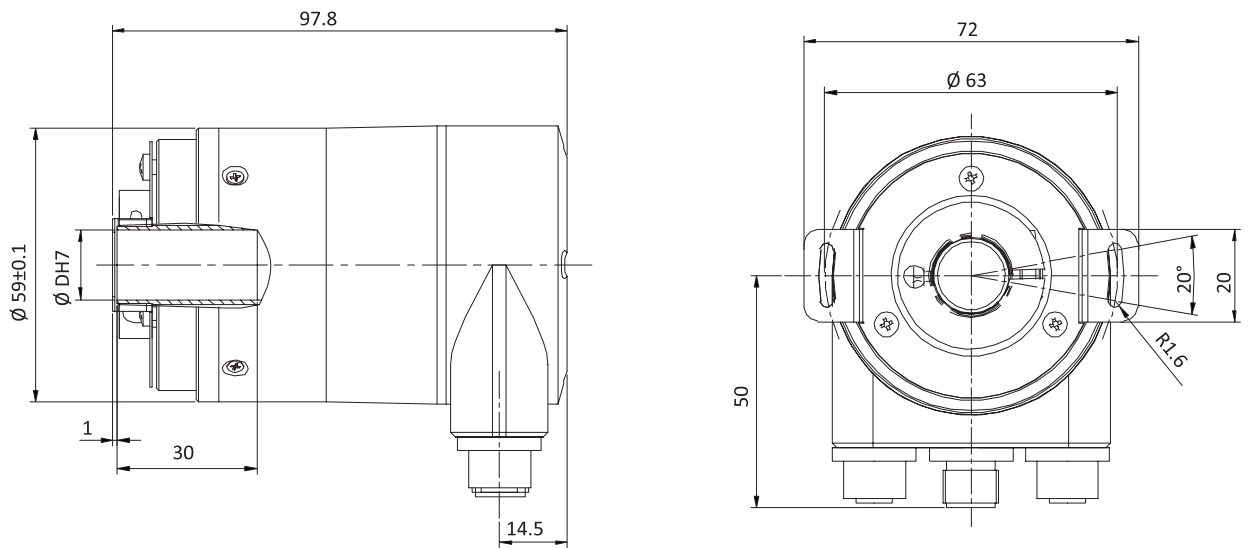
EAM58-ENND

DIMENSIONS (mm)

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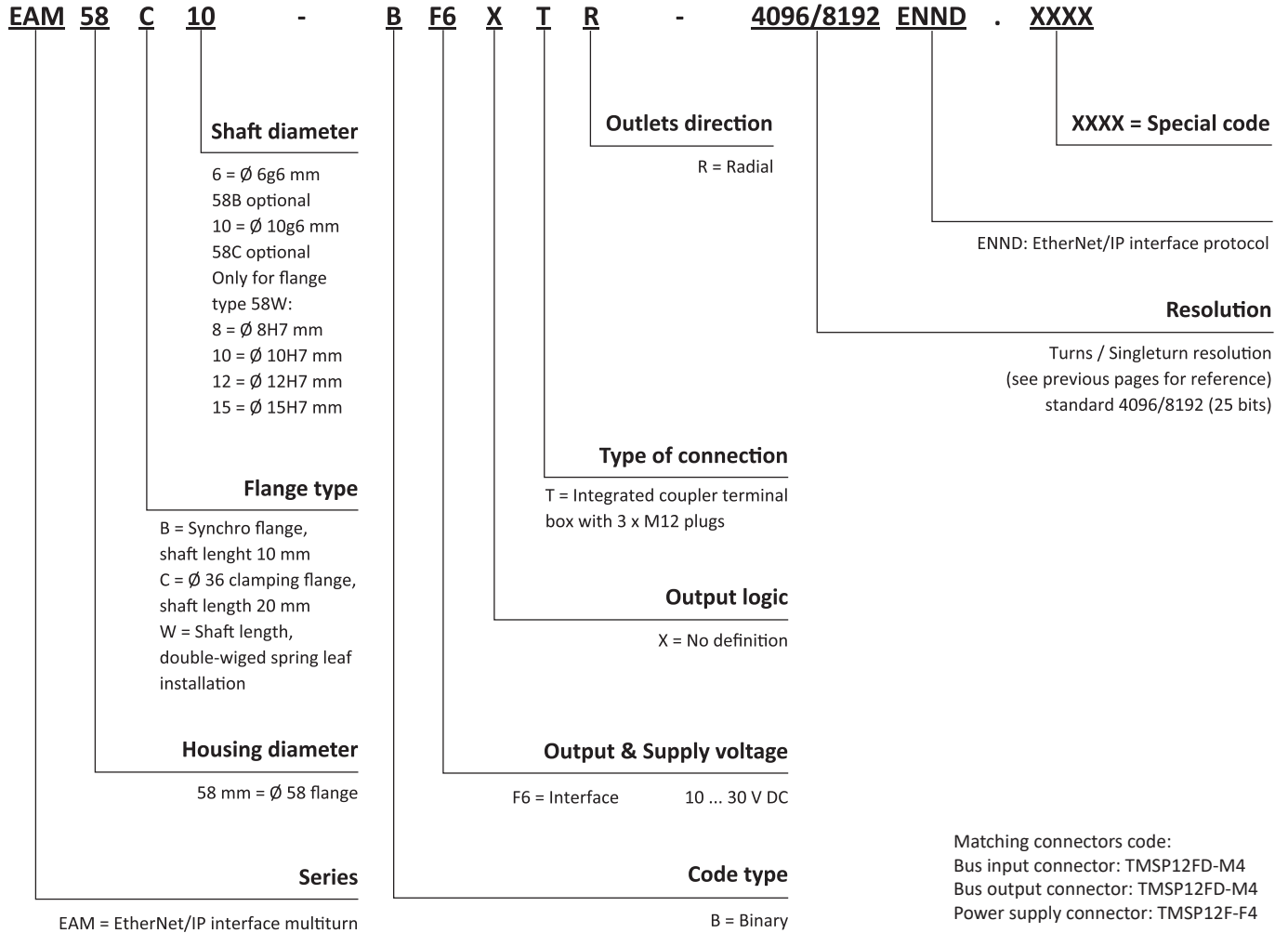


EAM58W



EAM58-ENND

ORDER CODE



EAM58-ENND

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