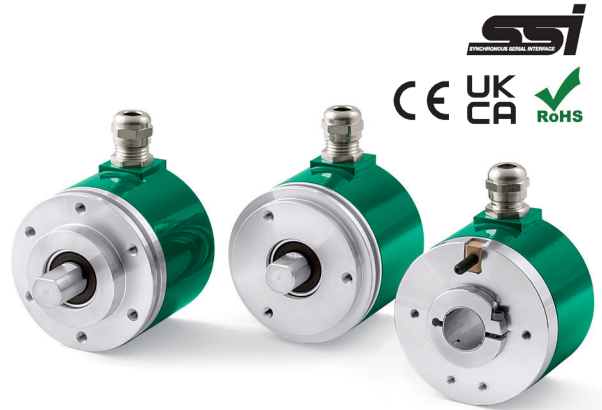


Series

MM58 • MM58S • MMC58

- Phasing out
- This product is not recommended for new designs
- Please contact us for informations on alternative/equivalent products.



MM58S • MM58 • MMC58

ENVIRONMENTAL SPECIFICATIONS

Shock:	250 g, 6 ms acc. to CEI EN 60068-2-27
Vibrations:	10 g, 5-2000 Hz acc. to CEI EN 60068-2-6
Protection:	IP65
Operating temperature range:	-20°C +85°C (-4°F +185°F)
Storage temperature range:	-20°C +85°C (-4°F +185°F) (98% R.H. without condensation)
Option:	• protection IP67

MECHANICAL SPECIFICATIONS

Dimensions:	see drawing
Shaft diameter:	Ø 6, 8, 9.52, 10, 12 mm
Hollow shaft diameter:	Ø 14, 15 mm
Reducing sleeves BR1-xx from Ø 15 mm to:	Ø 6, 8, 9.52, 10, 11, 12 mm
Shaft loading (axial, radial):	100 N max.
Shaft rotational speed:	12000 rpm max.
Starting torque (at 20°C):	MM58: 0,15 Ncm (typical) MM58S: 0,40 Ncm (typical) MMCxx: 1 Ncm (typical)
Bearings life:	400 x10 ⁶ rev. min. (10 ⁹ rev. min. with 20 N shaft loading max.)
Electrical connections:	cable output 1 m (3.3 ft)
Weight:	~ 450 g (15,8 oz)
Option:	• additional cable

ELECTRICAL SPECIFICATIONS

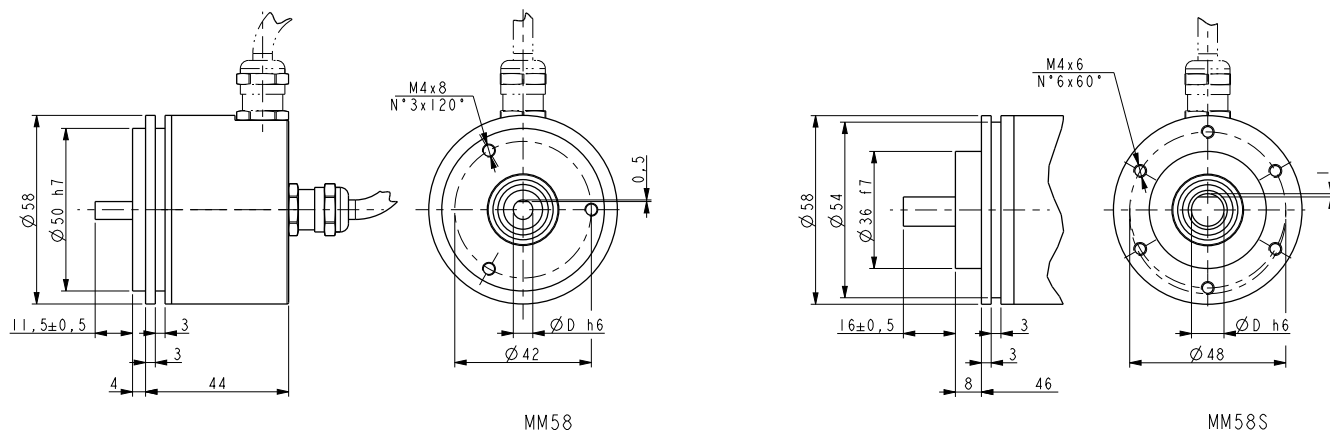
Resolution:	1024 cpr x 32768 turns 2048 cpr x 16384 turns 4096 cpr x 8192 turns
Accuracy:	± 1°
Output circuits:	SSI (clock 500 kHz, T _p =64 µsec.)
Output code:	Gray, Binary
Counting frequency:	20 kHz max.
Start-up time:	200 msec.
Power supply:	+10Vdc +30Vdc
Output current:	20 mA max.
Protection:	against inversion of polarity, short-circuit
EMC:	electro-magnetic immunity, according to: EN-61000-4-2 EN-61000-4-4
Battery life:	10 years min.
Functions:	• Counting direction (input) • Electronic zero setting (input)

MATERIALS

Flange:	AISI 420, UNI EN 4021
Housing:	AISI 420, UNI EN 4021
Bearings:	ABEC 5
Shaft:	stainless steel, non magnetic, UNI EN 4305

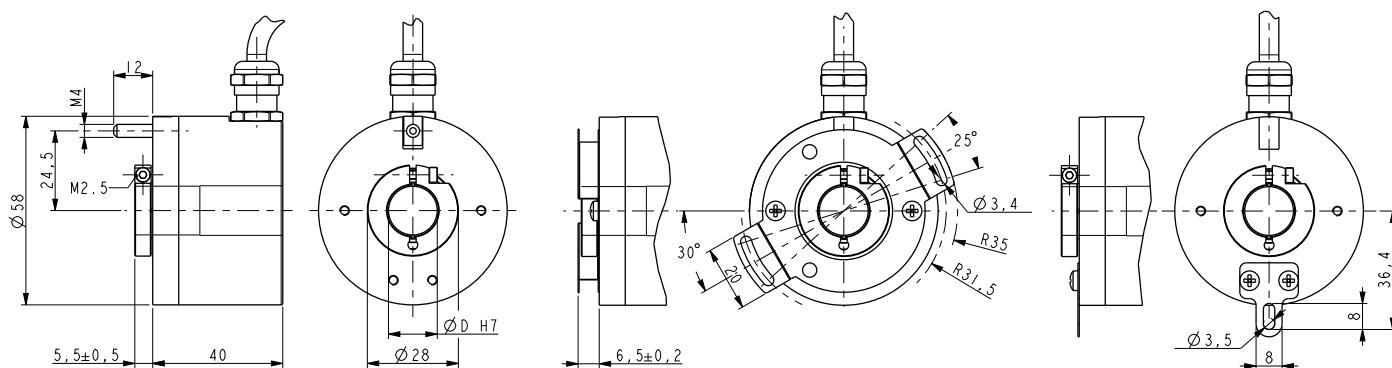
ACCESSORIES

PAN/PGF:	flexible couplings
BR1:	reducing sleeves
LKM-386:	fixing clamps



MM58

MM58S



MMC58

MMC59

MMC60

Order code

MM58	XX-XX	-	XXX	-	XX	-	X	X	-	X	XXXX	/Sxxx
MM58S	(a)	-	(b)	-	(c)	-	(d)	(e)	-	(f)	(g)	(h)
MMC58												
MMC59												
MMC60												

<p>(a) RESOLUTION (BIT SINGLETURN - BIT MULTITURN) 10-15 = 10x15 bit (1024 cpr x 32768 turns) 11-14 = 11x14 bit (2048 cpr x 16384 turns) 12-13 = 12x13 bit (4096 cpr x 8192 turns)</p> <p>(b) INTERFACE / POWER SUPPLY BB2 = Binary, SSI LSB aligned, +10Vdc +30Vdc GB2 = Gray, SSI LSB aligned, +10Vdc +30Vdc</p>	<p>(c) SHAFT DIAMETER 06 = 6 mm 08 = 8 mm P9 = 9.52 mm, 3/8" 10 = 10 mm 12 = 12 mm 14 = 14 mm (only for MMCxx) 15 = 15 mm (only for MMCxx)</p>	<p>(d) PROTECTION P = IP65 (standard) J = IP67 with sealed circuit</p> <p>(e) OPER. TEMP. RANGE T = -25°C +85°C (-13°F +185°F)</p> <p>(f) CONNECTION POSITION A = axial (standard) R = radial (mandatory on MMCxx series)</p>	<p>(g) CONNECTION TYPE & CABLE LENGTH L010 = cable output 1 m (standard) L020 = cable output 2 m (standard) Lxx0 = cable out. x m (max. length 10m)</p> <p>(h) CUSTOM VERSION</p>
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Document release	Date	Description
1.1	11.03.2024	Phasing out
1.0	January 2023	New order code