

- Magnetic sensing, absolute
- Very shock-proof
- Through hollow shaft



MMC58 • MM58 • MM58S

ENVIRONMENTAL SPECIFICATIONS

Shock:	100 g, 6 ms (MIL STD 202F)
Vibrations:	10 g, 5-2000 Hz (MIL STD 202F)
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)
Protection:	IP65
Option:	• protection IP67

MECHANICAL SPECIFICATIONS

Dimensions:	see drawing
Shaft:	Ø 6, 8, 9.52, 10, 12, 14, 15 mm
Shaft loading (axial and 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)
Moment of inertia:	80 gcm ²
Bearings life:	10 ⁹ rev.min
Weight:	~ 0,4 kg
Electrical connections:	Cable 1 m

ELECTRICAL SPECIFICATIONS

Output codes:	Gray, Binary
Power supply:	+10Vdc +30Vdc
Start-up time:	200 msec.
Output circuits:	SSI (clock 500 kHz, Tp=64 µsec.)
Resolution:	1024 counts/rev. x 32768 rev. 2048 cpr x 16384 rev. 4096 cpr x 8192 rev.
Output current:	20 mA max.
Counting frequency:	20 kHz max.
Accuracy:	± 1°
Protection:	protected against inversion of polarity
Battery life:	10 years min.
Functions:	• Counting direction (Complementary) • Electronic zero setting

MATERIALS

Flange:	AISI 420
Housing:	AISI 420
Bearings:	ABEC 5
Shaft:	stainless steel, non-magnetic

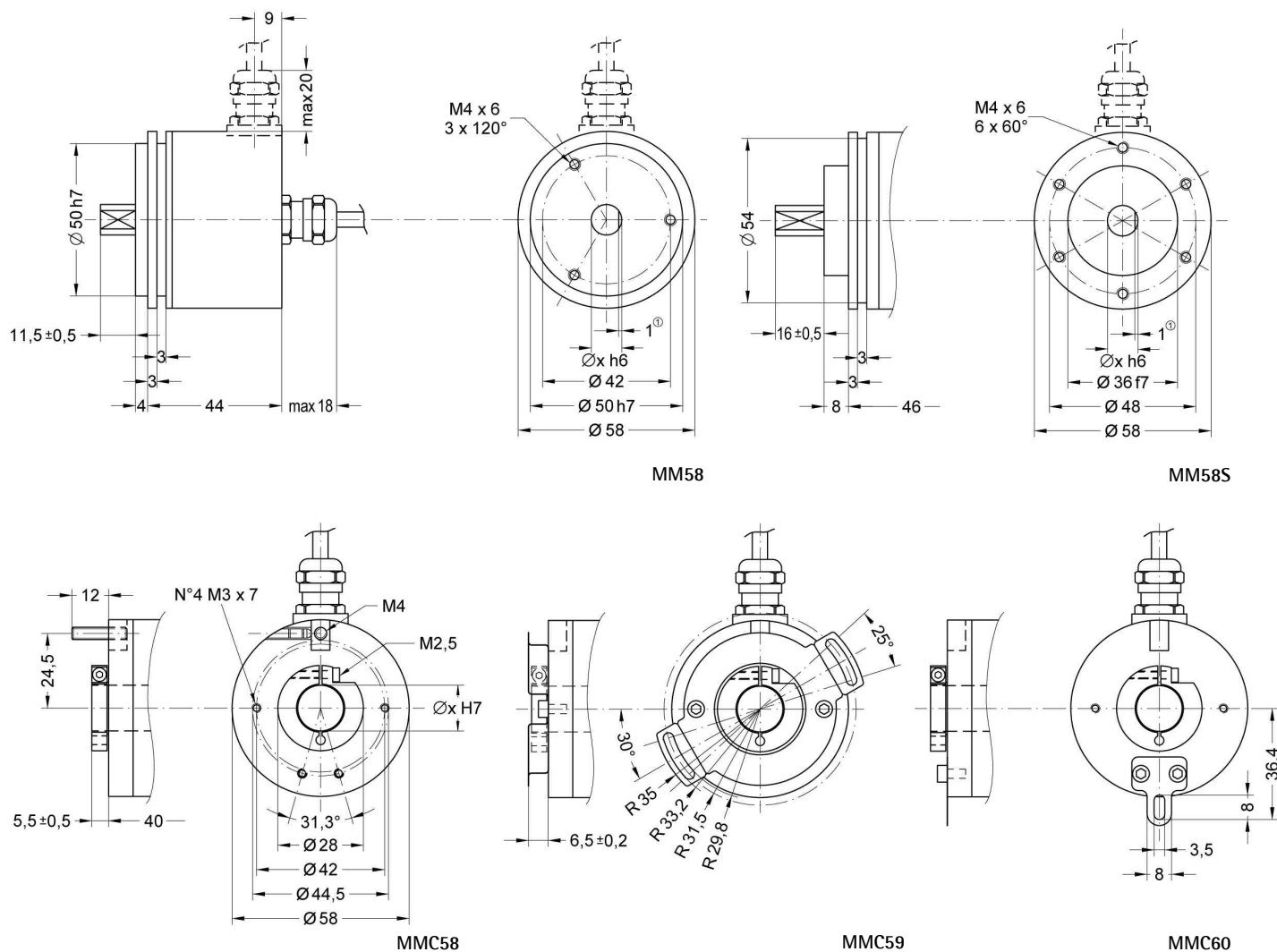
ELECTRICAL CONNECTIONS

LIKA cable 4x2x0,25 mm²

Red	+10Vdc +30Vdc
Black	0Vdc GND
Green	Data +
Yellow	Data -
White	Clock in +
Brown	Clock in -
Blue	Complementary
Pink	Zero setting

ACCESSORIES

PAN/PGF:	Flexible couplings
BR1:	Reducing sleeves
LKM-386:	Fixing clamps



(1) 0,5 mm with Ø 6 shaft

ORDERING CODE

ADDITIONAL CODE (indicate only if necessary)

XXXX		XX/XXXXX		X	X	-	X	- X X X		
SERIES		MM58-MM58S-MMC58 MMC59-MMC60						Cable length on request Lx Ex.: L4 = 4 meters (13.2 ft) L7 = 7 meters (23.0 ft)		
RESOLUTION		1024 CPR x 32768 rev. 10/32768 2048 CPR x 16384 rev. 11/16384 4096 CPR x 8192 rev. 12/8192						J Protection IP67		
OUTPUT CODE		Binary B Gray G						R Side mount cable (mandatory on MMCxx series)		
								B SSI serial output LSB aligned		
								MMCxx Reducing sleeves see on page 75		