

ROTAMAG

Magnetic absolute encoders

series

MS36 • MSC36



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www.lika.biz
• Data-sheet
• User Manual

ENVIRONMENTAL SPECIFICATIONS

Schock:	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 mm
Shaft loading (axial and radial):	20 N max.
Shaft rotational speed:	12000 rpm max.
Starting torque at 20°C:	≤ 0,3 Ncm
Moment of inertia:	~ 20 gcm ²
Bearings life:	10 ⁹ rev. min.
Weight:	~ 0,1 Kg
Electrical connections:	Cable 1 m. (3.3 ft)
Accuracy:	± 1°

ELECTRICAL SPECIFICATIONS

Output codes:	Binary
Power supply:	+10Vdc +30Vdc
Output circuit:	SSI, 13 bit
Resolution:	8192 counts/rev.
Output current (per channel):	20 mA max.
Output frequency:	2 MHz max.
Power consumption:	65 mA max.
Protection:	protected against inversion of polarity

MATERIALS

Flange:	non corroding
Housing:	non corroding
Bearings:	ABEC 5
Shaft:	stainless steel, non magnetic

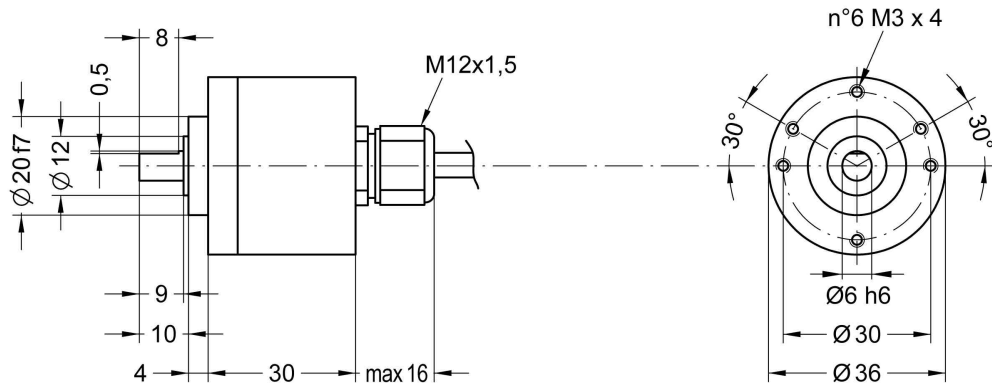
ELECTRICAL CONNECTIONS

LIKA cable 8 x 0,25 mm²

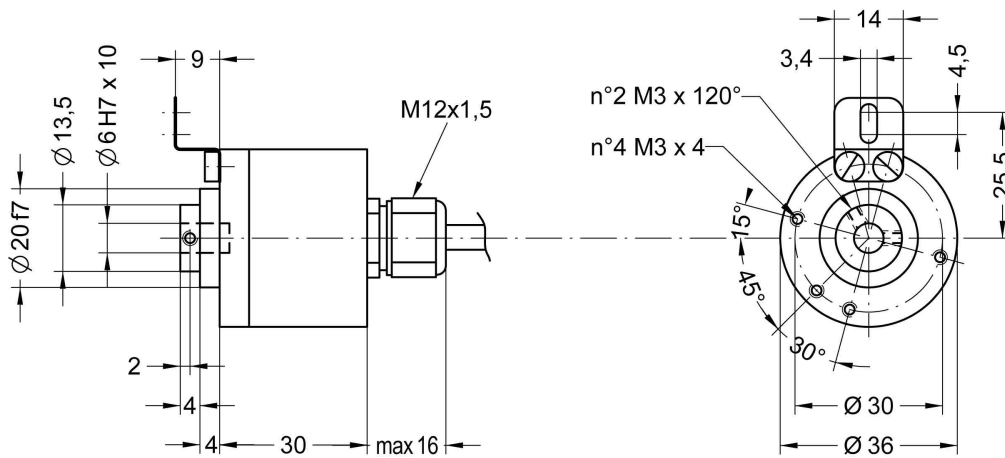
Red	+Vdc
Black	GND
Yellow	Clock in +
Blue	Clock in -
Green	Data out +
Orange	Data out -
Grey	n.c.
White	n.c.

ACCESSORIES

PAN/PGF:	Flexible couplings
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MS36



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ORDERING CODE

ADDITIONAL CODE (indicate only if necessary)

XXXXX	XX / X	X - X	- X X
SERIES			
MS36 - MSC36			
RESOLUTIONS		SHAFT DIAMETER	Cable length on request:
8192 counts/rev 13		6 6 mm	Lx Ex.: L4 = 4 meters (13.2 ft) L7 = 7 meters (23.0 ft)
OUTPUT CODE		OUTPUT CIRCUIT	
Binary B		R SSI serial output tree format	J IP67 protection