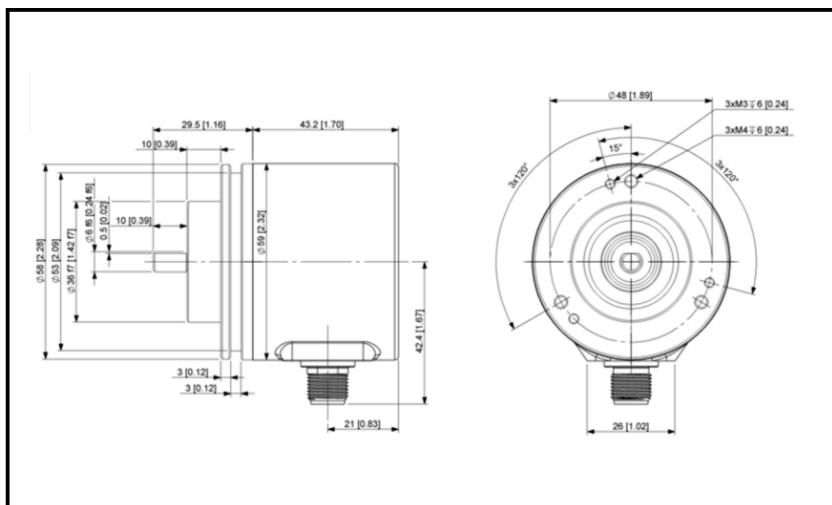


**ABSOLUTE
ENCODER
WITH FIELD BUS
958HM**

Compact absolute encoder for industrial ambients. MODBUS RT interface.
'Servo-mount' installation by means of claws or frontal screws.
High resolution and very good quality/price ratio.

Family: **M**
page: 14.958HM 1/2
data sheet IB 100 E00

Measures without tolerance acc. to UNI ISO 2768-mk



TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- Outout codes.....: Binary
- Max resoluit.....: 16 bit/1 rev.
: 31 bit/32768 rev.
- Pulses/rev.....: (16) 65536
- No. of rev.....: 1, 32768.
:
- Power supply Vcc.....: 10÷30 VDC
- Max consumption.....: 100 mA
- Max frequency.....: 100 kHz ÷ 2 MHz
- Operating temperature.: -40 ÷ +85 °C
- Storage temperature...: -40 ÷ +85 °C
- Humidity.....: 98% (without liquid state)
- Bus connection.....: Line driver (acc. to RS485)
- Accuracy of divisions.: ±½ LSB(<13bit)
- Output interface.....: (MB) MODBUS RTU

- Connections : For the codes and the descriptions of connectors see 'ORDERING CODE' on page 2.
- Housing.....: Aluminium (*)
- Weight.....: singlet.320g ,multit. 320g
- Shaft.....: Stainless steel
- Max radial/axial load.: 40/110 N
- IP output side.....: see 'CONNECTIONS' on page 2
- IP shaft side.....: std.64 sealed 66
- Contin. max RPM...(**): 6000 3000
- Starting torque..gcm.: 50 90
- Impact resistance.....: 50 G (11 ms)
- Vibration resistance...: 12 G (10 ÷ 2000 Hz)
- Ball bearings life....: >10⁴ h @ 1000 rev./m
- Magnetic technology
- Polarity inversion protect.
- Over voltage peak protect.
- EMC certific. according to EN 61000-6-2, EN 61000-6-4
- MTTF 350 years @ 40°C

(*) Custom options.

(**) Intermittent max RPM + 30% of continuous max RPM.

POSSIBLE OPTIONS

CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
Q	All stainl. steel	W	Sealed ball bear.	X	Customer options



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* Fax: +39 011 712613

INTERFACE	CONNECTIONS
» (MB) MODBUS RTU	»
»	
»	
»	

ORDERING INFORMATION

(00) 1(Singlet.)

(15) 32768

()

(10) Ø 10 (standard)

(06) Ø 6

()

()

()

()

(Q) All stainl. steel

(X) Customer options

(W) Sealed ball bear.

()

(0) Standard

()

()

(PRM)

()

()

()

()

M12 5 pin radial conn. IP65

MODEL

STEP PER REVOL.

No. OF REVOL.

POSSIBLE SHAFT Ø

CODE

INTERFACE

OPTIONS

CONNECTION

958HM

16

/

15

/

10

/

B

/

MB

/

0

/

PRM

Binary

(16)

65536

(B) Bin.

(B) Binary

()

()

(MB) MODBUS RTU

Product manufactured according to UNI EN ISO 9001:2015, supplied with CHECKING and CONFORMITY declaration with CE mark and with TWO (2) YEARS WARRANTY starting from delivery date.