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MX 700B

EXPLOSION PROOF
ABSOLUTE MULTI-TURN
ENCODER



- EEx d IIC T6 “Flameproof Enclosures”
- ATEX-Certified
- Heavy Duty Construction
- Optical Sensing
- 14 Bits x 18 Bits
- CANopen Interface



APPROVAL CERTIFICATIONS

EC-Type Examination Certificate: IBExU09ATEX1163 X

CE 1252 Ex II 2G EEx d IIC T6 bzw. T4

CE 1252 Ex II 2D Ex tD A21 IP6x T85°C bzw. T105°C

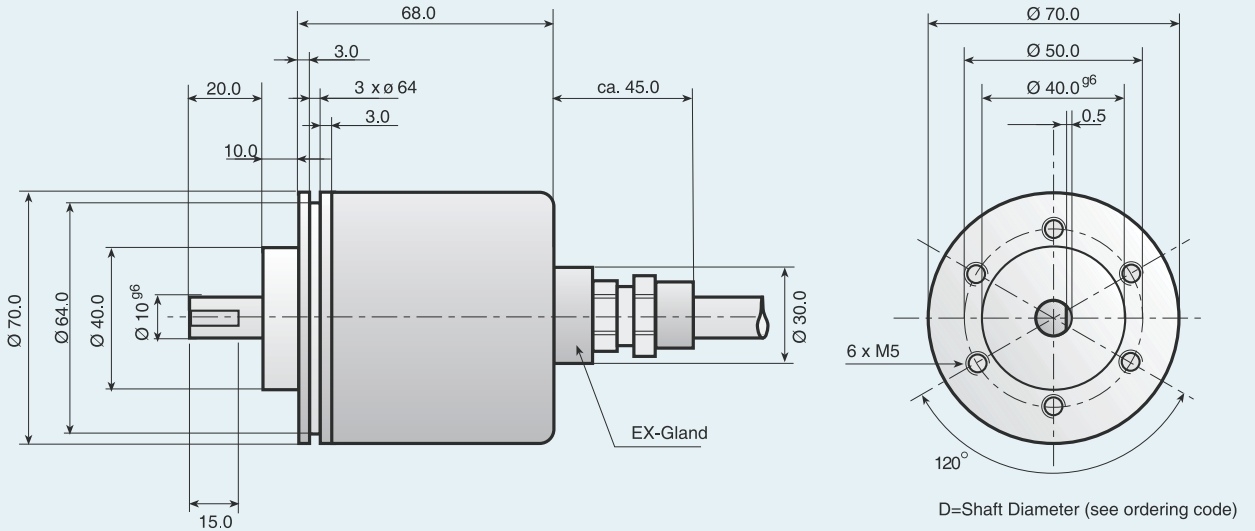
ATEX-Directive 94/9 EG: EN 60079-0: 2006; DIN EN 60079-1: 2007
EN 61241-0: 2004; DIN EN 61241-1: 2004

ELECTRICAL SPECIFICATIONS

Supply Voltage	10 to 30Vdc
Current Consumption(w/o load)	50 mA
Interface	CANopen
Resolution	14 Bits Single-Turn/18 Bits Multi-Turn
Short Circuit Protection	100%
Code	Binary

MECHANICAL SPECIFICATIONS

Cover	Stainless Steel
Bearing Housing	Stainless Steel
Shaft	Stainless Steel
Maximum RPM	6000 RPM (max)
Torque	> 0.4 Nm
Shaft Loading	Axial 60 N, Radial 50 N
Environmental Protection	IP66/67
Operating Temperature	-20 C to +70 C
Weight	1300 g (2.866 lbs)



ORDERING CODE

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a b c d e f g h Single-Turn Resolution (bits) Multi-Turn Resolution (bits)

- a **Group Function**
MX=Absolute Multiturn Flame Proof
- b **Basic Series Number**
X700B
- c **Shaft Size**
10=10 mm, 12=12 mm
- d **Mechanical Options**
0=None, Y=Blind Hole Shaft

- e **Connection Type**
0=2 m (6') Cable
- f **Connection Location**
A=Axial
- g **Output Signals**
R=CANopen - Binary
- h **Output Circuit Type**
Y=CANopen

Notes:
Special functions and designs will be designated by a 4 digit code at the end of the part number. Consult factory for further details

CONNECTIONS

Function	Cable Colour Code
0 Volt	white
+ Volt	brown
CANHigh	green
CANLow	yellow
CANGnd/shield	grey