

## Inquiry Form for incremental encoders Ex FG 40

Sender			
Company:		Contact partner:	
		Phone:	
Address:		Fax:	
		E-Mail:	

Spare parts			
<p>→ If you wish to request a quote for spare parts, please only fill out the section highlighted in gray. It is not possible to provide a quote without a serial number.</p>			
Serial number:		Order number (optional):	
End customer / Country of end customer:			

### New device

<b>1</b> Number of items:	<b>2</b> Date when required / Delivery date:
.....	.....

**3** Field of application / Application:

.....

**4** Field of application (m up to AMSL):

up to 4000 m AMSL                       Other: .....

**5** Pulse rates:

500    600    1000    1024    1200    1300    2500    Other: .....

**6** Output signal:

System 1	
<input type="checkbox"/> Incremental signal 0°, 90°, N, status	<input type="checkbox"/> Sin / Cos signal A, B, N as 1 Vpp signal
<input type="checkbox"/> all HTL (12 – 30 V)	<input type="checkbox"/> Status signal as HTL (12 – 30 V)
<input type="checkbox"/> all TTL (5 V)	<input type="checkbox"/> Status signal as TTL (5 V)

System 2	
<input type="checkbox"/> Without	<input type="checkbox"/> Sin / Cos signal A, B, N as 1 Vpp signal
<input type="checkbox"/> Incremental signal 0°, 90°, N, status	<input type="checkbox"/> Status signal as HTL (12 – 30 V)
<input type="checkbox"/> all HTL (12 – 30 V)	<input type="checkbox"/> Status signal as TTL (5 V)
<input type="checkbox"/> all TTL (5 V)	

**7 Shaft – drive end:**

- Ø 11 mm     Ø 14 mm

**9 Principal Directive:**

- ATEX Directive 2014/34/EU  
 Other: .....

**8 Maximum speed:**

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**10 Required equipment group:**

- Equipment group I (mines susceptible to firedamp)     Equipment group II (all other hazardous areas)

**Gas / Mist / Vapour**

**11 Required equipment category / equipment protection level:**

- 1G / Ga (= Gas Zone 0)  
 2G / Gb (= Gas Zone 1)  
 3G / Gb (= Gas Zone 2)

**Dust**

- 1D / Da (= Dust Zone 20)  
 2D / Da (= Dust Zone 21)  
 3D / Da (= Dust Zone 22)

**12 Required protection level:**

- Ex db (flameproof enclosure)  
 Other: .....

- Ex tb (protection by housing)  
 Other: .....

**13 Required explosion group (the level of risk increases from Index A to Index C):**

- II A (propane)     II B (ethylene)  
 II C (hydrogen, acetylene)

- III A (lint & fibers)     III B (grain dust)  
 III C (metal dust, coal dust)

**14 Required temperature class (Ignition temperature of combustible materials; the level of risk increases from T1 to T6):**

- T4 (< 135°C)     T5 (< 100°C)     T6 (< 85°C)     Other: .....

**15 Ambient temperature range:**

- Maximum     up to +60°C     up to +55°C     Other: .....  
 Minimum     up to -40°C     Other: .....

**16 Environmental effects (e. g.: salt, alkalis, ...):**

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**17 Miscellaneous:**

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