


## Encoder type ME01-03 Instructions for safe installation

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Safety approval:	TÜV 10 ATEX 384298X
Safety approval:	IECEX TUN 10.0006X
Approval type:	II 2G Ex mb IIb T6 Gb
CE approval:	CE xxxx <sup>1</sup>  II 2 G
Manufacturer:	Eltomatic A/S Fabriksvej 6 DK9490 Pandrup Denmark Tel. + 45 9824 6166 – eltomatic@eltomatic.com

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1. This encoder is Ex approved for installation in hazardous area zones 1 & 2.
2. Installation must only be carried out with power OFF! Care must be taken to ensure that the electrical potential balance is maintained when installing the shaft encoder.
3. The encoder cable must be routed and fixed in such a way that it is protected from mechanical damage and splashing.
4. The X marking refers to:
  - The ambient temperature range for this encoder is –30°C to +60°C. Below –10°C the cable must be fixed. Operation of the encoder outside these limits contravenes the ATEX & IECEX certification.
  - The cable must be connected in a safe area or suitable certified junction box.
  - The 5.5VDC input voltage shall be supplied through a safety-isolated transformer according to EN60742 or EN61558-1 and the max. fuse rating shall be 250mA.
  - To ensure safe connection in potentially explosive areas where the shaft encoder is connected to the power supply via a terminal or terminal screws of “ignition protection category e”, the conductive area of the cable ends should be increased by using suitable crimp sleeves or crimp shoes. Recommended cable connection sequence is Shield – Channel outputs – 0VDC - +VDC.
5. Refer to the product specification for wire colour coding.
6. There are no maintenance requirements. Repairs can only be carried out by Eltomatic. DO NOT open the encoder or attempt to remove the main label; otherwise ATEX/IECEX certification and Warranty will immediately become void.
7. See ATEX & IECEX certificates for further information.

**Do not hesitate to contact Eltomatic in case of any question**

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<sup>1</sup> Number for QAN issuer. Can be found at [www.eltomatic.com/downloads](http://www.eltomatic.com/downloads)