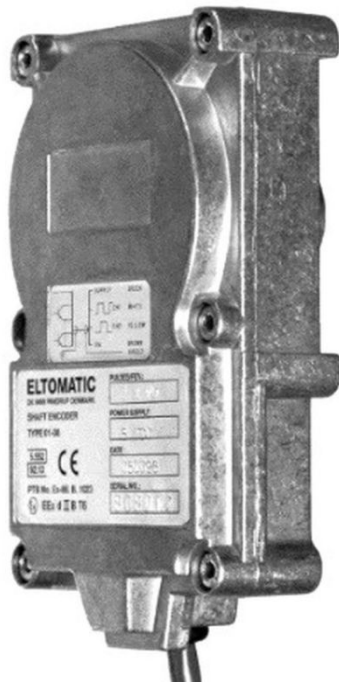




Part no.: 98.1512A

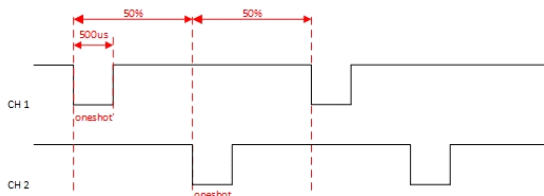
- 01-08-UCCW, 2x50, 5-24VDC, PNP
- Optical shaft encoder
- ATEX, IECEx, UKEX and MID certificates
- Wide range of accessories available
- Compact and rugged design



Electrical specifications

Code:	Incremental - quadrature
Resolution:	2x50ppr (pulses per revolution)
Supply voltage:	5-24VDC**
Supply current:	Max.50mA/Typ.30mA
Output stage:	PNP with series resistor (270Ω)
Output current:	30mA/channel max load**
Output frequency:	rpm/60×ppr ≤1000Hz **
Output format:	Squarewave 500μsec ±10% normal state high
Phase sense:	Ch1 - Ch2: 50% ±5%. Direction is CCW when facing the visible part of the coupling
Electrical protection:	Reverse polarity protected
Noise immunity:	Tested for ElectroMagnetic Compatibility (EMC) to EN61000-6-4 and EN61000-6-2

**= It is not recommended to combine max values for all parameters



Cable

Cable:	4x0.25mm ²
Cable length:	3m cable with 4 core + shield
Color code:	VCC: Green GND: Brown Channel 1: White Channel 2: Yellow

Shield: Shield connected to housing

Certificates

ATEX:	II 2G Ex db IIB T6 Gb ITS-I21ATEX31268X
IECEX:	Ex db IIB T6 Gb IECEX ITS 21.0026X
UKEX:	Ex db IIB T6 Gb ITS 21 UKEX 0358X
MID part certificate:	NMI TC8655
W&M	PTB no. 5.552 - 92.13

Mechanical specifications

Material:	Die cast, seawater resistant aluminum alloy
Size:	121x73x30mm (excl. mechanical coupling)
Weight:	~340g (excl. cable)
Bearing:	Self-lubricating sintered bronze
Speed:	600rpm max for ATEX/IECEX/UKCA 1000rpm for no ATEX/IECEX/UKCA
Mechanical coupling:	62.0089, see separate drawing. The coupling is factory installed before shipping
Clutch:	
Mounting options:	4pcs. M4 screws from lower side
Sealing:	1 tin seal in cover
Other:	

Environmental specifications

Operating temperature:	-30°C to +70°C
Approved temperature:	-25°C ≤ Tamb ≤ +60°C with loose cable -30°C ≤ Tamb ≤ +70°C with fixed mounted cable

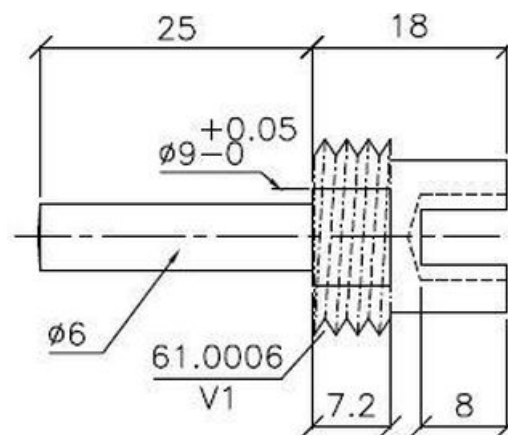
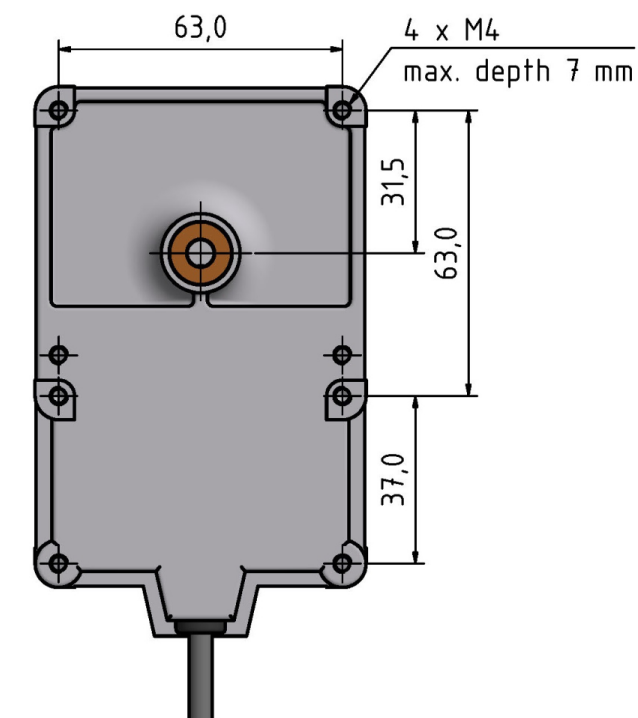
Software features

Suppression:
Alarm:

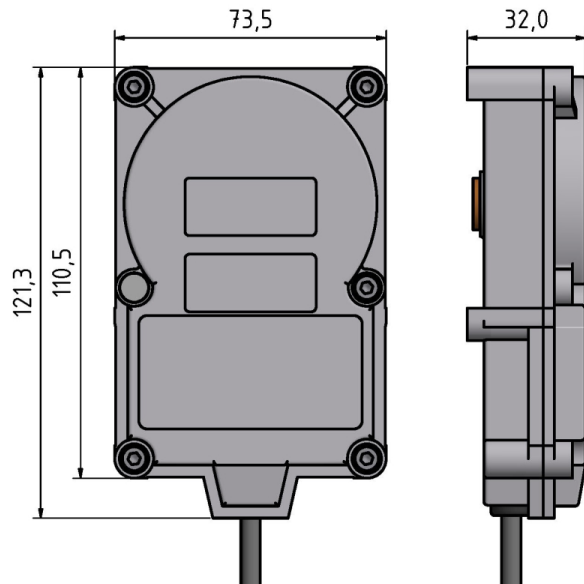
Other

Accessories:
Totalizer:
Gearbox:
Flexible cable:

Mechanical drawing



Coupling 62.0089



Revision history

Revision 4: 24.01.14 Updated label. Removed customer part number

Revision 5: 05.03.15 Updated safty approvals

Revision 6: 21.01.16 Logo updated

Revision 7: 07.03.2022 UKEX approved