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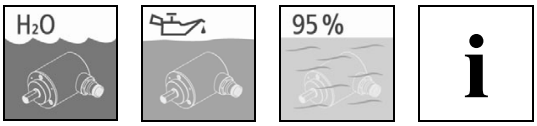
Optional Package "Seal Pack"



- **Expansion features for the devices CEV 58, CES 58, COV 58, COS 58**
- **Tightness against immersion in water IP 67 (IEC529 / DIN EN 60529)**
- **Tightness against immersion in oils are able to creep (TR own test standards)**
- **Tightness against damp-heat / suction of humid air (IEC 68 T2-30)**

Characteristics

Measures

Shaft	additional shaft sealing ring
Housing	special sealed housing cover
Connection technology	backfilled connectors
Validation	extensive test program through the development

Differences to products without Seal-Pack

External dimensions	construction length is up to 7mm longer with the same equipment
Mechanically permissible speed	reduced to 6000 1/min
Required torque	increased, due to the front sided shaft sealing ring
Connection technology	only for connectors (12pol/17pol or M12/M8)

Available for the following product lines

Product families	compact encoder “C” with nominal diameter 58 mm
Shaft type	solid shaft 6, 8, 10 mm; smooth, groove, area; other ∅ on request blind shaft; 8, 10, 12 mm; smooth, groove, with clamping ring; other ∅ on request
Resolution / Scanning	≤ 13 bit (“E”) and ≤ 18 bit (“O”) per revolution as single turn and multi turn
Interfaces [1) 2)]	SSI with 12pin circular connector SSI/special bits with 17pin circular connector Profibus DP with 2 x M12 (bus) / M8 (supply voltage) Profibus DP with 2 x M12 (bus) / M12 (supply voltage) CANopen with 2 x M12 (bus / supply voltage)

[1)] Tightness only guaranteed with correct screwed address switch covers (at the bus interfaces).
[2)] Therefor operational readiness and tightness of the encoder is still guaranteed with open connectors and penetrating humidity. The functionality of the interface and the output of the measurements can be attached by this (leaked currents / short circuits within the connector or in the cable). Choose the correct mating plug, mounting the cable and screwing it to the encoder is the responsibility of the user.

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Environmental conditions

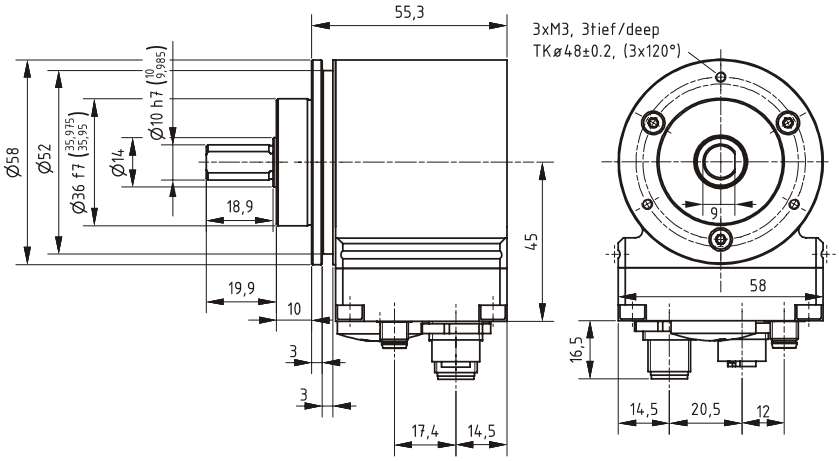
Tightness against immersion in water	P 67 (IEC 529 / DIN EN 60529)
- Water	20 °C
Tightness against immersion in oil	test liquid: honing oil
- test procedure	multiple immersions and remaining over several hours in honing oil
Tightness against damp-heat	test cycles according to IEC 68 T2-30 / simulation of the breathing effect
- test procedure	multiple heating and cooling cycles between +15°C and +65°C at 95% rel. air humidity. No moisture or internal corrosion detectable

Suitable environmental conditions may induce changes on the surface of the encoder (corrosion on housing components). This was no impairment to the function of the encoder.

Dimension drawing

(For project planning please request customized dimensional drawing !)

Example:
CEV58M PB
without Seal Pack



Example:
CEV58M PB
with Seal Pack