




## Declaration of Conformity

The manufacturer hereby declares that the following product is according to requirements of the EEC directive 2004/108/EC regarding EMC.

**Manufactured by:** Scancon Encoders A/S  
Huginsvej 8  
3400 Hillerød  
Denmark

**Product:** Shaft and hollow-shaft incremental encoders.

**Model(s):** 2RM, 2RM-IP65, SCA24, SCA24-IP65, 2RE, SCA30, SCA34, 2REB, SCA41, SCA-BM, SCA36,5, SCA40, SCABK, 2RM MoS2, SCA28, SCA30, SCA38, 2SUN (Shaft encoders).  
2RMHF, SCH24 (Hollow shaft encoders).  
2RMHD (Heavy-duty encoders).  
Models with special output "T"

**CE Marking:**  The CE-mark on the label is according to the EEC Directive 2004/108/EC regarding EMC.

A similar sample of this product has been tested and found to be in conformity with the following standards:

### EMC

EN 61000-6-2:2005 EMC - Part 6-2: Generic standards - Immunity for industrial environments  
EN 61000-6-3:2007 EMC - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments  
EN 61326-1:2006 EMC - Electrical equipment for measurement, control and laboratory use - Part 1: General requirements

### Additional tested according to the following specification.

EN61000-4-4 Electrical fast transient/burst immunity test.  
- Signal lines +/- 2KV  
- DC lines +/- 4 KV

EN61000-4-5 Surge immunity test  
- DC powerports +/- 0,5KV line to earth (12  $\Omega$ /9 $\mu$ F)  
- DC powerports +/- 0,5KV line to line (2  $\Omega$ /18 $\mu$ F)  
- Shielded cables, direct injection +/- 6KV

EN61000-4-9 Pulse magnetic field immunity test  
- 1000A/m 8/20 $\mu$ s

EN61000-4-10 Damped oscillatory magnetic field immunity test  
- 100A/m 0,1/1 MHz

EN61000-4-29 Immunity test on voltage dips, short circuit and voltage variations on DC power port.  
- 0 % nominal  $V_{in}$  for 3ms  
- 75 % nominal  $V_{in}$  for 10 sec.  
- 120% nominal  $V_{in}$  for 10 sec.

22 januar 2018

Date

Eckhard Hahne, Scancon Encoders A/S, Managing Director