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EC - Declaration of conformity

CE

Manufacturer: DIS Sensors bv

Device: Rotary encoder sensors, **QR40EMN Redundant series**

Declaration: Manufacturer declares, on his sole responsibility, conformity of this device according to all CE regulations / directives / standards specified below

EMC directive: Electromagnetic Compatibility directive 2014/30/EU

EMC standards:

- EN 61000-6-2 (2005)
  Generic EMC immunity standard for industrial environments
- EN 61000-6-3 (2007) + A1 (2011)
  Generic EMC emission standard for light industrial environments

RoHS & RoHS II: RoHS European Directive 2002/95/EC & RoHS II European Directive 2011/65/EU

REACH: REACH European Regulation 1907/2006/EC

Functional Safety: According to European Standard EN ISO 13849-1

- MTTFd = 657 year
- This device does not contain embedded software
- Diagnostic Coverage (DC) = 0%
- This is a full redundant device for safety applications. The user can increase the Diagnostic Coverage by taking both sensor outputs into account, compare these outputs and program an algorithm that brings the application into safe state if the difference between the two sensor outputs exceeds a certain limit.

ISO: Quality system EN ISO 9001

Date: This device is CE-marked Februari 2015,
updated March 2016

M. van Andel, Product Manager



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