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EC - Declaration of conformity

CE

Manufacturer: DIS Sensors bv, Oostergracht 40, 3763 LZ, Soest, The Netherlands

Device: Inclination & acceleration sensors, **QG76D CAN Dynamic series**

Declaration: Manufacturer declares, on his sole responsibility, conformity of this device according to all CE regulations / directives / standards specified below, if the device is connected to an approved CAN controller only and the shield of the CAN controller is connected to earth..

EMC directive: Electromagnetic Compatibility directive 2014/30/EU

EMC standards:

- EN 61000-6-2 (2005) + AC(2005)
  Generic EMC immunity standard for industrial environments
- EN 61000-6-3 (2007) + A1 (2011) + AC(2012)
  Generic EMC emission standard for light industrial environments
- EN 12895 (2015) + A1 (2019-08)
  EMC immunity & emission standard for Industrial trucks
- EN 61326-1 (2013)
  EMC immunity & emission standard for electronic equipment. for measurement, control and laboratory use
- EN 50121-4 (2006) + (2016)
  EMC immunity & emission standard for Railway applications
- EN 50121-3-2 (2016)
  EMC immunity & emission standard for Railway applications

EMC Automotive:

- UN agreement Regulation 10 (Rev.5)
  Generic EMC immunity & emission standard for automotive devices
- EN ISO 13766-1 (2018)
  EMC immunity & emission standard for earth-moving and building construction machinery, for machines with internal power supply - general requirements
- EN ISO 14982 (2009)
  EMC immunity & emission standard for tractors, agricultural, forestry, landscaping and gardening machinery

RoHS & RoHS II:

- RoHS European Directive 2002/95/EC
- RoHS II European Directive 2011/65/EU (EN 50581:2012)

REACH: REACH European Regulation 1907/2006/EC

Functional Safety: According to European Standard EN ISO 13849-1:2015 this is NOT a safety product, however we have calculated the following figures:

- MTTFd: 452 years
- Diagnostic Coverage (DC): 49%

ISO: Quality system EN ISO 9001

Date: October 2020, updated October 2022

M. van Andel, Product Manager



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