DIS Sensors bv
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EC - Declaration of conformity

CE

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

Device:

- QG65N2 analog series
- QG65D analog series
- QG76N2 analog series
- QG76D analog 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.
Applied 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 61326-1 (2013)
  EMC immunity & emission standard for electronic equipment. for measurement, control and laboratory use (applied, most stringent, level: industrial environment)
- EN 50121-4 (2016) and RLN00007 V007 (2020)
  EMC immunity & emission standard for Railway applications
- EN 50121-3-2 (2016)
  EMC immunity & emission standard for Railway applications – Rolling Stock apparatus
- EN 12895 (2015) + A1 (2019) (ESD retested at non-accredited test house)
  Industrial trucks - Electromagnetic compatibility

EMC automotive: Tested in accordance with

- UN agreement Regulation 10 (Rev.6) (E4-ready, but excl. certification)
  Generic EMC immunity & emission standard for automotive devices
- EN ISO 13766-1 (2018)
  EMC immunity & emission standard for earth moving machinery
- EN ISO 13766-2 (2018)
  EMC immunity & emission standard for earth moving machinery – functional safety
- EN ISO 14982 (2009)
  EMC immunity & emission standard for tractors, agricultural, forestry, landscaping and gardening machinery

EMC Notified Body: Kiwa Dare B.V., Vijzelmolenlaan 7, 3447 GX Woerden, The Netherlands.

Installation Remark: Installation instructions written in the product datasheet shall be fulfilled.

RoHS: Directive 2011/65/EU, on the restriction of the use of hazardous substances in electrical equipment (RoHS II), and the amendment 2015/863/EU (RoHS III).

REACH: REACH European Regulation 1907/2006/EC.

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Functional Safety: - MTTFd > 100 year

- For models with sensor outputs from 0.5V or from 1mA:
  Firmware according to SRESW requirements, for both
  basic measures for 'PL a to d' and for additional measures for 'PL c or d'
  according the standard EN13849-1:2008, clause 4.6 + amendment 2016

Info: sensor outputs <0.5V or <1mA can be used to detect a sensor error

ISO: Quality System EN ISO 9001

Date: This device is CE-marked October 2024

M. van Andel, Product Manager

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