

EC - Declaration of conformity



Manufacturer:	DIS Sensors bv
Device:	Inclination & acceleration sensors, QG40N Tilt switch SIL1 PLC 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:	<ul style="list-style-type: none">• EN 61000-6-2 (2005) + AC(2005) <i>Generic EMC immunity standard for industrial environments</i>• EN 61000-6-3 (2007) + A1 (2011) + AC(2012) <i>Generic EMC emission standard for light industrial environments</i>• EN 12895 (2000) + (2015) <i>EMC immunity & emission standard for Industrial trucks</i>• EN 61326-1 (2013) <i>EMC immunity & emission standard for electronic equipment. for measurement, control and laboratory use</i>• EN 50121-4 (2006) + (2015) <i>EMC immunity & emission standard for Railway applications</i>• EN 50121-3-2 (2016) <i>EMC immunity & emission standard for Railway applications</i>• IEC 61326-3-1 (2008) <i>EMC immunity standard for Electrical equipment for safety-related systems for General industrial applications, measurements, control and laboratory use.</i>
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 Directive 2006/42/EC of the European Parliament and of the Council on Machinery

According to European Standard EN ISO 13849

- **Performance Level PLc**
- Hardware Architecture CAT.2
- System Type B
- Proof test interval 20 years
- The firmware of this device is developed according to EN ISO 13849 and meets the SRESW requirements for both 'PL a to d' and 'PL c or d'

According to European Standard IEC 62061

- **Safety Integrity Level SIL CL 1**
- Hardware Architecture HFT = 0
- System Type B
- Proof test interval 20 years

- MTTFd: 433 year
- DCavg: 73%
- CCF: 65pt
- SFF: 93%
- PFHd: 1,5E-07 /h

ISO: Quality system EN ISO 9001

Date: This device is CE-marked November 2017

M. van Andel, Product Manager

