

Certificate



SIL/PL
Capability

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ID 060000000

No.: 968/FSP 1462.00/17

Product tested	Load Cell single channel / double channel with or without current loop amplifier	Certificate holder	Vishay Nobel AB Skrantahöjdsvägen 40 691 46 Karlskoga Sweden
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Type designation	KIMD, KIMD-D, KIMD-FD, KIMD-FAD, KOSD, KOSD-D, KOSD-FA, KOSD-FAD, KISD, KISD-D, KEND-FA, KEND-FAD
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Codes and standards	EN ISO 13849-1:2015 EN ISO 13849-2:2012	IEC 61508 Parts 1-7:2010
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Intended application	Measuring of mechanical shear forces or tensions. The -FA single channel versions with built-in current loop amplifier can be used in applications up to PL b / Cat. B / SIL 1. The single channel versions without built-in current loop amplifier can be used in applications up to PLc / Cat.1 / SIL 1. The -D and -FAD double channel versions can be used in applications up to PL d / Cat. 3 / SIL 2.
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Specific requirements	Cross monitoring (only for double channel versions) and plausibility check (e.g. cable break detection, detection of NAMUR NE43 fault indication) is required to be performed by the external overall measuring instrument. Suitable EMC suppression has to be performed at the externally connected measuring instrument. The user is responsible to select the appropriate type of load cell for the application.
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Valid until 2022-07-07

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1462.00/17 dated 2017-07-07.

This certificate is valid only for products which are identical with the product tested. It becomes invalid at any change of the codes and standards forming the basis of testing for the intended application.

TÜV Rheinland Industrie Service GmbH
Bereich Automation
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Köln, 2017-07-07

Certification Body Safety & Security for Automation & Grid

Dipl.-Ing. Stephan Häb

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