



TÜVRheinland®

ZERTIFIKAT
CERTIFICATE

No.: 968/A 173.00/14

Product tested	System to determine and transmit the position/velocity values of the lift car in the elevator shaft	Certificate holder	CEDES AG Science Park / Kantonsstraße 14 7302 Landquart Switzerland
Type designation	Absolute Positioning Sensor (APS), For details see actual Version Release List	Manufacturer	see certificate holder
Codes and standards forming the basis of testing	EN 81-1:1998 + A3:2009 EN 81-2:1998 + A3:2009 IEC 61508 Parts 1-7:2010 IEC 61784-3:2010 (in extracts)		ASME A17.1:2010 (in extracts) ASME A17.5:2011 (in extracts) CSA B44-10:2010 (in extracts) CSA B44.1-11:2011 (in extracts)
Intended application	The APS device is used to determine and transmit the position and velocity values of the lift car in the elevator shaft. It is suitable for safety related applications up to SIL 3 (IEC 61508 / EN 81-1/-2 / ASME A17.1/CSA B44) and can be used by an appropriate downstream safety processing unit to implement applicable safety functions up to SIL 3 acc. EN 81-1/-2, Annex A or ASME A17.1/CSA B44, table 2.26.4.3.2.		
Specific requirements	For the use of the APS device the Installation and Operating Manual as well as the Safety Manual shall be considered.		
This certificate is valid until 2019-02-27.			



Functional Safety Type Approved

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The issue of this certificate is based upon an examination, whose results are documented in report-no.: 968/A 173.00/14 dated 2014-02-27.

The holder of a valid licence certificate for the product tested is authorized to affix the test mark shown opposite to products, which are identical with the product tested.

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Köln, 2014-02-27

Certification Body for FS-Products

Dr.-Ing. Thorsten Gantvoort