

Certificate



Product Safety
Functional
Safety

www.tuv.com
ID 0600000000

No.: 968/FSP 1473.00/17

Product tested	Valve Control Modules for Robotic Quick Change System	Certificate holder	SCHUNK GmbH & Co. KG Bahnhofstr. 106-134 74348 Lauffen / Neckar Germany
-----------------------	---	---------------------------	--

Type designation	SWO-L-DL8-K, SWO-L-DL8-A, SWO-L-DL9-K, SWO-L-DL9-A, SWO-L-JU4-K, SWO-L-DKL-K, SWO-L-DKL-A, SWO-L-JU5-K, SWO-L-JT7-K, SWO-L-DL5-K, SWO-L-DL5-A, SWO-L-JR4-K
-------------------------	---

Codes and standards	ISO 13849-1:2015 ISO 13849-2:2012 IEC 62061:2005 + AC:2015	IEC 61508 Parts 1-7:2010 IEC 60204-1:2016 (in extracts)
----------------------------	--	--

Intended application	Modules to control valves at robotic tool changer. They meet the requirements of Cat. 3 / PL d of ISO 13849-1 and SIL 2 of IEC 62061/IEC 61508.
-----------------------------	--

Specific requirements	The instructions of the associated Installation, Operating and Safety Manual shall be considered.
------------------------------	---

Valid until 2022-06-16

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1473.00/17 dated 2017-10-05.

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
Funktionale Sicherheit
Am Grauen Stein, 51105 Köln

Köln, 2017-10-05

Certification Body Safety & Security for Automation & Grid

Dipl.-Ing. Heinz Gall