

# EC Type-Examination Certificate



Product Safety  
Functional  
Safety

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ID 060000000

Reg.-No.: 01/205/5555.00/18

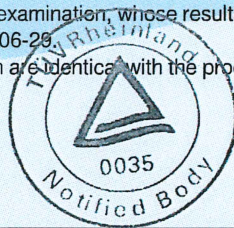
<b>Product tested</b>	Ferrogard series proximity sensors in combination with safety modules as PDDB	<b>Certificate holder</b>	Rockwell Automation, Inc. 1201 South Second Street Milwaukee, WI 53204 USA
<b>Type designation</b>	440N-G02... sensors in combination with various control units as listed in the attached Revision List		
<b>Codes and standards</b>	IEC 60947-5-2:2012 (in extracts) IEC 60947-5-3:2013	IEC 62061:2015 ISO 13849-1:2015	
<b>Intended application</b>	The products can be used as a PDDB in accordance with IEC 60947-5-3 for safety related interlocking up to Cat. 4, PL e and SIL 3 in accordance with ISO 13849-1, IEC 62061 and ISO 14119 (Type 3).		
<b>Specific requirements</b>	In PL e / SIL 3 applications, in which a periodical demand of the safety function is not ensured by regular operational sequences ( $\geq 1/\text{month}$ ), the safety function has to be tested manually at least once per month. The provisions described in the user documentation shall be considered for the application. The 250V AC models FRS20 GD2 in stainless steel housing shall be on metal surfaces that provide low impedance connection to the earthing system of the machinery.		

It is confirmed, that the products under test complies with the requirements for machines defined in Annex I of the EC Directive 2006/42/EC.

Valid until 2023-06-29

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1378.00/18 dated 2018-06-29.

This certificate is valid only for products which are identical with the product tested.



Köln, 2018-06-29

Notified Body for Machinery, NB 0035

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### Revision List

referred to on EC-Type Examination Certificate  
Reg.-No.: 01/205/5555.00/18

**Product Tested: Ferrogard Non-contact Interlock  
Switches FRS 20, FRS 21 and FRS20 GD2 in  
combination with various monitoring safety relays**

Proximity Sensors Type designations	control units		Safety Classification		Report-No.:	Certification Status
	Model Name	Type Designation	ISO 13849-1	IEC 62061		
440N-G02055, 440N-G02058 440N-G02059, 440N-G02060 440N-G02061, 440N-G02077 440N-G02083, 440N-G02085 440N-G02090, 440N-G02091 440N-G02097, 440N-G02098 440N-G02099, 440N-G02109 440N-G02113, 440N-G02117 440N-G02119, 440N-G02123 440N-G02136, 440N-G02137 440N-G02143, 440N-G02149 440N-G02164,	MSR30, MSR126, MSR127, MSR131, MSR142, MSR144, MSR300 Series, GSR CI, GSR SI, GSR DI, GSR DIS	440R-N23197, 440R-N23198, 440R-N23120, 440R-N23119, 440R-N23118, 440R-N23129, 440R-N23128, 440R-N23127, 440R-N23135, 440R-N23135S, 440R-N23134, 440R-N23133, 440R-C23139, 440R-C23139S, 440R-C23137, 440R-C23136, 440R-G23216, 440R-G23215, 440R-G23214, 440R-C23205, 440R-W23219, 440R-S13R2, 440R-S12R2, 440R-D22R2, 440R-D22S2,	Cat. 4 / PL e	SIL 3	968/FSP 1378.00/18	<i>Valid</i>
	CR30	440C-CR30-22BBB	PL e	SIL 3		

**Product Tested: Ferrogard Non-contact Interlock  
Switches FRS 20, FRS 21 and FRS20 GD2 in  
combination with various monitoring safety relays**

Proximity Sensors Type designations	control units		Safety Classification		Report-No.:	Certification Status
	Model Name	Type Designation	ISO 13849-1	IEC 62061		
440N-G02001*1, 440N-G02002*1, 440N-G02003*1, 440N-G02004*1, 440N-G02008*1, 440N-G02009*1, 440N-G02013*1, 440N-G02014*1, 440N-G02015*1, 440N-G02019*1, 440N-G02022*1, 440N-G02023*1, 440N-G02028*1, 440N-G02032*1, 440N-G02033*1, 440N-G02038*1, 440N-G02040*1, 440N-G02041*1, 440N-G02043*1, 440N-G02044*1, 440N-G02045*1, 440N-G02048*1, 440N-G02049*1, 440N-G02075*1, 440N-G02082*1, 440N-G02088*1, 440N-G02089*1, 440N-G02092*1, 440N-G02093*1, 440N-G02094*1, 440N-G02095*1, 440N-G02096*1, 440N-G02112*1, 440N-G02118*1, 440N-G02147*1, 440N-G02154*1, 440N-G02155*1, 440N-G02156*1, 440N-G02157*1, 440N-G02160*1, 440N-G02161*1, 440N-H02047*1, 440N-H02086*1, 440N-H02087*1	MSR30, MSR126, MSR127, MSR131, MSR142, MSR144, MSR300 Series, GSR CI, GSR SI, GSR DI, GSR DIS	440R-N23197, 440R-N23198, 440R-N23120, 440R-N23119, 440R-N23118, 440R-N23129, 440R-N23128, 440R-N23127, 440R-N23135, 440R-N23135S, 440R-N23134, 440R-N23133, 440R-C23139, 440R-C23139S, 440R-C23137, 440R-C23136, 440R-G23216, 440R-G23215, 440R-G23214, 440R-C23205, 440R-W23219, 440R-S13R2, 440R-S12R2, 440R-D22R2, 440R-D22S2,	Cat. 4 / PL e*1	SIL 3*1	968/FSP 1378.01/18	<i>Valid</i>
	CR30	440C-CR30-22BBB	PL e*1	SIL 3*1		

\*1: This sensor has only one output contact. One single channel sensor per guard can only achieve PL c / SIL 1. Two single channel sensors per guard could achieve PL e / SIL 3.

**Revision:**

Date	Rev.	Description / Changes	Author
2018-06-29	1.0	Initial creation, based on Report-No.: 968/FSP 1378.00/18	jz/A-FS
2018-09-17	1.1	Single channel sensors added, based on Report-No.: 968/FSP 1378.01/18	jz/A-FS