



# [1] EU-TYPE EXAMINATION CERTIFICATE

## [2] Equipment or Protective System intended for use in potentially explosive atmospheres - Directive 2014/34/EU – Annex III – MODULE B: EU-TYPE EXAMINATION

[3] EU-type Examination Certificate number: **IMQ 13 ATEX 019**

[4] PRODUCT: **NAMUR Inductive proximity sensors**

TYPE/SERIES: **SI\*\*\*-N\*\*\*\*\*AGD\***

[5] MANUFACTURER: **AECO S.r.l.**

[6] ADDRESS: **Via Giacomo Leopardi, 520065 Inzago (MI) - Italy**

[7] This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documents therein referred to.

[8] IMQ, notified body N° 0051, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in Report No.: **AT21-0066180-01\_B**

[9] Compliance with Essential Health and Safety Requirements, except in respect of those listed at item 18 of the annex, has been assured by compliance with:

**EN IEC 60079-0:2018; EN 60079-11:2012**

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:

	<b>II 1G</b>	<b>Ex ia IIA/IIB/IIC T6/T5 Ga</b>
	<b>II 2G</b>	<b>Ex ia IIA/IIB/IIC T6/T5 Gb</b>
	<b>II 1D</b>	<b>Ex ia IIIC T85°C/T100°C Da</b>

THIS CERTIFICATE CANCELS AND REPLACES THE PREVIOUS ONE. IT INCLUDES 1 ANNEX.

FIRST ISSUE	2014/01/22
CURRENT ISSUE	2022/03/29
PREVIOUS ISSUE	2014/01/22
EXPIRING DATE	2032/03/28

B.U. PRODUCT CONFORMITY ASSESSMENT  
CERTIFICATION SECTOR - MANAGER

This Certificate may only be reproduced in its entirety and without any change. It is subject to the general rules for assessing conformity to community directives for which IMQ operates as notified body n°. 0051 and to the special requirements for Directive 2014/34/EU (ATEX) "Equipment and protective systems for potentially explosive atmospheres" annex III - MODULE B – EU Type-examination.



PRD N° 005 B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC Signatory of EA, IAF and ILAC Mutual Recognition Agreements

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[15] **Description of product:**

Inductive NAMUR proximity sensors suitable for installation in hazardous areas. They are mounted on machine tools, textile machines, transfer lines, transport systems, packaging equipment, in the automobile industry and in all applications where solutions for automation are required.

[15.1] **Models/Series Identification:**

[a1]	[a2]	[a3]	[a4]	-	[b]	[c]	[d]	[e]	[f]	[g]	[h]
■ ■	■	■	■		■	■	■	■	■	■ ■ ■	■

Number of digits ( ■ )

[a1]	Equipment		SI	: Inductive Sensor
[a2]	Enclosure shape:		None	: Cylindrical
			A	: Ring
			P	: Parallelepiped with shape rectangular
			Q	: Parallelepiped with shape a square base
[a3]	Enclosure Size	Cylindrical shape	6.5	: Smooth Diameter D=6.5mm
			8	: Threaded M8X1
			12	: Threaded M12X1
			14	: Threaded M14X1
			18	: Threaded M18X1
			30	: Threaded M30X1.5
			Ring shape	5
		12		: Inner diameter D=12mm
		15		: Inner diameter D=15mm
		22		: Inner diameter D=22mm
		30		: Inner diameter D=30mm
		44		: Inner diameter D=40mm
		Parallelepiped with rectangular base	63	: Inner diameter D=63mm
			10	: L=28mm x W=16mm x H=10.5mm
			12	: L=40mm x W=26mm x H=12mm
			40	: L=113mm x W=40mm x H=40mm
			A8	: L=40mm x W=8mm x H=8mm with side
		Parallelepiped with a square base	C8	: L=40mm x W=8mm x H=8mm with front
			80	: L=80mm x W=80mm x H=80mm
[a4]	Tipo di rilevamento secondo EN60947-5-6:		None	: Switching curve with hysteresis
		L	: Continuous switching curve	

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[b]	:		N	
[c]	Version		None	: Embeddable
			E	: Not embeddable
[d]	SWITCHING DISTANCE S <sub>n</sub>			
[e]	Connection type:		None	: Connector with cable
			H1	: Male connector M8x1
			H	: Male connector M12x1
			K	: Male connector type "K"
[f]	Cable type		None	: PVC/PVC or with connector integrated
			PU	: PUR/TPE-E
[g]	Cable length:		None	: 3m or with connector integrated
			LC <sub>n</sub>	: length equal to "n"; mt if the length is > 3mt
[h]	Equipment category		1	: Category 1
			2	: Category 2

[15.2] **Ratings:**

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[15.3] **Safety Ratings:**

INTRINSIC SAFETY PARAMETERS

Description	Max Voltage U <sub>i</sub> (V)	Max Current I <sub>i</sub> (mA)	Max Power P <sub>i</sub> (mW)	Maximum capacity C <sub>i</sub> (nF)			Maximum Inductance L <sub>i</sub> (μH)					
				Cable C <sub>c</sub> (nF)	Sensor C <sub>s</sub> (nF)	Total	Cable L <sub>c</sub> (μH)	Sensor L <sub>s</sub> (μH)	Total			
										-	222	222
<b>S16.5-N1 H1 AGD</b>	17	17	73	1,54	222	224	13,4	15	29			
<b>S16.5-N1 AGD</b>				-	222	222	-	15	15			
<b>S16.5-N1 LC<sub>n</sub> AGD</b>				1,54	222	224	13,4	15	29			
<b>S18-N1 H1 AGD</b>				-	222	222	-	15	15			
<b>S18-N1 AGD</b>				1,54	222	224	13,4	15	29			
<b>S18-N1 LC<sub>n</sub> AGD</b>				-	222	222	-	15	15			
<b>S16.5-NE2 H1 AGD</b>				1,54	222	224	13,4	15	29			
<b>S16.5-NE2 AGD</b>				-	222	222	-	15	15			
<b>S16.5-NE2 LC<sub>n</sub> AGD</b>				1,54	222	224	13,4	15	29			
<b>S18-NE2 H1 AGD</b>				-	222	222	-	15	15			
<b>S18-NE2 AGD</b>				1,54	222	224	13,4	15	29			
<b>S18-NE2 LC<sub>n</sub> AGD</b>				-	222	222	-	11	11			
<b>S112-N2 H AGD</b>				17	17	73	1,54	222	224	13,4	11	25
<b>S112-N2 AGD</b>							-	222	222	-	11	11
<b>S112-N2 LC<sub>n</sub> AGD</b>	1,54	222	224				13,4	11	25			

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<b>SI12-NE4 H AGD</b>	17	17	73	-	223	<b>223</b>	-	11	<b>11</b>	
<b>SI12-NE4 AGD</b>				1,54	223	<b>225</b>	13,4	11	<b>25</b>	
<b>SI12-NE4 LCn AGD</b>										
<b>SI14-N3 AGD</b>	17	17	73	1,54	222	<b>224</b>	13,4	11	<b>25</b>	
<b>SI14-N3 LCn AGD</b>										
<b>SI14-NE5 AGD</b>	17	17	73	1,54	222	<b>224</b>	13,4	11	<b>25</b>	
<b>SI14-NE5 LCn AGD</b>										
<b>SI18-N5 H AGD</b>	17	17	73	-	224	<b>224</b>	-	23	<b>23</b>	
<b>SI18-N5 AGD</b>				1,54	224	<b>226</b>	13,4	23	<b>37</b>	
<b>SI18-N5 LCn AGD</b>										
<b>SI18-NE8 H AGD</b>	17	17	73	-	228	<b>228</b>	-	23	<b>23</b>	
<b>SI18-NE8 AGD</b>				1,54	228	<b>230</b>	13,4	23	<b>37</b>	
<b>SI18-NE8 LCn AGD</b>										
<b>SI30-N10 H AGD</b>	17	17	73	-	225	<b>225</b>	-	161	<b>161</b>	
<b>SI30-N10 AGD</b>				1,54	225	<b>227</b>	13,4	161	<b>175</b>	
<b>SI30-N10 LCn AGD</b>										
<b>SI30-NE15 H AGD</b>	17	17	73	-	231	<b>231</b>	-	161	<b>161</b>	
<b>SI30-NE15 AGD</b>				1,54	231	<b>233</b>	13,4	161	<b>175</b>	
<b>SI30-NE15 LCn AGD</b>										
<b>SIPA8-N1.5 H1 AGD</b>	17	17	73	-	223	<b>223</b>	-	15	<b>15</b>	
<b>SIPA8-N1.5 AGD</b>				1,54	223	<b>225</b>	13,4	15	<b>29</b>	
<b>SIPA8-N1.5 LCn AGD</b>										
<b>SIPC8-N1.5 H1 AGD</b>				-	223	<b>223</b>	-	15	<b>15</b>	
<b>SIPC8-N1.5 AGD</b>				1,54	223	<b>225</b>	13,4	15	<b>29</b>	
<b>SIPC8-N1.5 LCn AGD</b>										
<b>SIP10-N2 H1 AGD</b>	17	17	73	-	222	<b>222</b>	-	15	<b>15</b>	
<b>SIP10-N2 AGD</b>				1,54	222	<b>224</b>	13,4	15	<b>29</b>	
<b>SIP10-N2 LCn AGD</b>										
<b>SIP12-N2 H1 AGD</b>	17	17	73	-	222	<b>222</b>	-	11	<b>11</b>	
<b>SIP12-N2 AGD</b>				1,54	222	<b>224</b>	13,4	11	<b>25</b>	
<b>SIP12-N2 LCn AGD</b>										
<b>SIP12-NE4 H1 AGD</b>	17	17	73	-	224	<b>224</b>	-	11	<b>11</b>	
<b>SIP12-NE4 AGD</b>				1,54	224	<b>226</b>	13,4	11	<b>25</b>	
<b>SIP12-NE4 LCn AGD</b>										
<b>SIP17-NE5 H1 AGD</b>	17	17	73	-	224	<b>224</b>	-	15	<b>11</b>	

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SIP17-NE5 AGD				1,54	224	<b>226</b>	13,4	23	<b>37</b>	
SIP17-NE5 LCn AGD										
SIP40-N15 AGD	15	15	73	-	579	<b>579</b>	-	142	<b>142</b>	
SIP40-N15 K AGD										
SIP40-N15 LC2 AGD				1,54	579	<b>581</b>	13,4	142	<b>156</b>	
SIP40-N15 LCn AGD										
SIP40-NE20 AGD	17	17	73	-	231	<b>231</b>	-	142	<b>142</b>	
SIP40-NE20 K AGD										
SIP40-NE20 LC2 AGD				1,54	231	<b>233</b>	13,4	142	<b>156</b>	
SIP40-NE20 LCn AGD										
SIQ80-NE50 K AGD	17	17	73	-	242	<b>242</b>	-	98	<b>98</b>	
SIQ80-NE50 AGD										
SIQ80-NE50 LCn AGD				1,54	242	<b>244</b>	13,4	98	<b>112</b>	
SIA05-NE H1 AGD	17	17	73	-	225	<b>225</b>	-	13,2	<b>14</b>	
SIA05-NE AGD										
SIA05-NE LCn AGD				1,54	225	<b>227</b>	13,4	13,2	<b>27</b>	
SIA12-NE H1 AGD	17	17	73	-	225	<b>225</b>	-	28	<b>28</b>	
SIA12-NE AGD										
SIA12-NE LCn AGD				1,54	225	<b>227</b>	13,4	42	<b>42</b>	
SIA15-NE H1 AGD	17	17	73	-	226	<b>226</b>	-	40,8	<b>41</b>	
SIA15-NE AGD										
SIA15-NE LCn AGD				1,54	226	<b>228</b>	13,4	40,8	<b>54</b>	
SIA22-NE H AGD	17	17	73	-	227	<b>227</b>	-	58,7	<b>59</b>	
SIA22-NE AGD										
SIA22-NE LCn AGD				1,54	227	<b>229</b>	13,4	58,7	<b>72</b>	
SIA30-NE H AGD	17	17	73	-	229	<b>229</b>	-	81,60	<b>82</b>	
SIA30-NE AGD										
SIA30-NE LCn AGD				1,54	229	<b>231</b>	13,4	81,60	<b>95</b>	
SIA44-NE H AGD	17	17	73	-	231	<b>231</b>	-	102,5	<b>103</b>	
SIA44-NE AGD										
SIA44-NE LCn AGD				1,54	231	<b>233</b>	13,4	102,5	<b>116</b>	
SIA63-NE H AGD	17	17	73	-	225	<b>225</b>	-	102,5	<b>103</b>	
SIA63-NE AGD										
SIA63-NE LCn AGD				1,54	225	<b>227</b>	13,4	102,5	<b>116</b>	

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[15.4] **Ambient temperature and temperature classes:**

The proximity sensors have temperature class T6 or T5 with Tamb: -25° C ÷ +60° C.

**MARKING**

Description		Group device	Category device	Category device	Symbol of protection against explosions	Protection type	Group of substance	Temperature Class	Maximum Surface Temperature	EPL	IP rating	Ambient Temperature Range (°C)
<i>SI6.5-N1 H1 AGD</i> (1)	Gas	II	1	G	Ex	ia	IIC	T6	-	Ga	-	-25 ÷ 60
<i>SI6.5-N1</i> AGD												
<i>SI6.5-N1 LCn AGD</i>												
<i>SI8-N1 H1 AGD</i> (1)												
<i>SI8-N1</i> AGD												
<i>SI8-N1 LCn AGD</i>												
<i>SI6.5-NE2 H1 AGD</i> (1)	Dust	II	1	D	Ex	ia	IIIC	-	T85°C	Da	IP6X	
<i>SI6.5-NE2</i> AGD												
<i>SI6.5-NE2 LCn AGD</i>												
<i>SI8-NE2 H1 AGD</i> (1)												
<i>SI8-NE2</i> AGD												
<i>SI8-NE2 LCn AGD</i>												
<i>SI12-N2 H AGD</i> (1)	Gas	II	1	G	Ex	ia	IIC	T6	-	Ga	-	-25 ÷ 60
<i>SI12-N2</i> AGD												
<i>SI12-N2 LCn AGD</i>												
	Dust	II	1	D	Ex	ia	IIIC	-	T85°C	Da	IP6X	
<i>SI12-NE4 H AGD</i> (1)	Gas	II	1	G	Ex	ia	IIC	T6	-	Ga	-	-25 ÷ 60
<i>SI12-NE4</i> AGD												
<i>SI12-NE4 LCn AGD</i>												
	Dust	II	1	D	Ex	ia	IIIC	-	T85°C	Da	IP6X	
<i>SI14-N3</i> AGD	Gas	II	1	G	Ex	ia	IIC	T6	-	Ga	-	-25 ÷ 60
<i>SI14-N3 LCn AGD</i>												
	Dust	II	1	D	Ex	ia	IIIC	-	T85°C	Da	IP6X	
<i>SI14-NE5</i> AGD	Gas	II	1	G	Ex	ia	IIC	T6	-	Ga	-	-25 ÷ 60

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<b>SI14-NE5</b> ■ <b>LCn AGD</b> ■	Dust	II	1	D	Ex	ia	IIIC	-	T85°C	Da	IP6X	
<b>SI18-N5 H AGD</b> ■ (1)	Gas	II	1	G	Ex	ia	IIC	T6	-	Ga	-	-25 ÷ 60
<b>SI18-N5</b> ■ <b>AGD</b> ■												
<b>SI18-N5</b> ■ <b>LCn AGD</b> ■	Dust	II	1	D	Ex	ia	IIIC	-	T85°C	Da	IP6X	
<b>SI18-NE8 H AGD</b> ■ (1)	Gas	II	1	G	Ex	ia	IIC	T6	-	Ga	-	-25 ÷ 60
<b>SI18-NE8</b> ■ <b>AGD</b> ■												
<b>SI18-NE8</b> ■ <b>LCn AGD</b> ■	Dust	II	1	D	Ex	ia	IIIC	-	T85°C	Da	IP6X	
<b>SI30-N10 H AGD</b> ■ (1)	Gas	II	1	G	Ex	ia	IIB	T6	-	Ga	-	-25 ÷ 60
<b>SI30-N10</b> ■ <b>AGD</b> ■												
<b>SI30-N10</b> ■ <b>LCn AGD</b> ■	Dust	II	1	D	Ex	ia	IIIC	-	T85°C	Da	IP6X	
<b>SI30-NE15 H AGD</b> ■ (1)	Gas	II	1	G	Ex	ia	IIB	T6	-	Ga	-	-25 ÷ 60
<b>SI30-NE15</b> ■ <b>AGD</b> ■												
<b>SI30-NE15</b> ■ <b>LCn AGD</b> ■	Dust	II	1	D	Ex	ia	IIIC	-	T85°C	Da	IP6X	
<b>SIP8-N1.5 H1 AGD</b> ■ (1)	Gas	II	1	G	Ex	ia	IIC	T5	-	Ga	-	-25 ÷ 60
<b>SIP8-N1.5</b> ■ <b>AGD</b> ■												
<b>SIP8-N1.5</b> ■ <b>LCn AGD</b> ■												
<b>SIPC8-N1.5 H1 AGD</b> ■ (1)	Dust	II	1	D	Ex	ia	IIIC	-	T100°C	Da	IP6X	
<b>SIPC8-N1.5</b> ■ <b>AGD</b> ■												
<b>SIPC8-N1.5</b> ■ <b>LCn AGD</b> ■												
<b>SIP10-N2 H1 AGD</b> ■ (1)	Gas	II	1	G	Ex	ia	IIB	T6	-	Ga	-	-25 ÷ 60
<b>SIP10-N2</b> ■ <b>AGD</b> ■												
<b>SIP10-N2</b> ■ <b>LCn AGD</b> ■	Dust	II	1	D	Ex	ia	IIIC	-	T85°C	Da	IP6X	
<b>SIP12-N2 H1 AGD</b> ■ (1)	Gas	II	1	G	Ex	ia	IIB	T6	-	Ga	-	-25 ÷ 60
<b>SIP12-N2</b> ■ <b>AGD</b> ■												
<b>SIP12-N2</b> ■ <b>LCn AGD</b> ■	Dust	II	1	D	Ex	ia	IIIC	-	T85°C	Da	IP6X	
<b>SIP12-NE4 H1 AGD</b> ■ (1)	Gas	II	1	G	Ex	ia	IIB	T6	-	Ga	-	-25 ÷ 60

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<b>SIP12-NE4 AGD</b>												
<b>SIP12-NE4 LCn AGD</b>	Dust	II	1	D	Ex	ia	IIIC	-	T85°C	Da	IP6X	
<b>SIP17-NE5 H1 AGD (1)</b>	Gas	II	1	G	Ex	ia	IIB	T6	-	Ga	-	-25 ÷ 60
<b>SIP17-NE5 AGD</b>												
<b>SIP17-NE5 LCn AGD</b>	Dust	II	1	D	Ex	ia	IIIC	-	T85°C	Da	IP6X	
<b>SIP40-N15 K AGD (1)</b>	Gas	II	2	G	Ex	ia	IIB	T5	-	Gb	-	-25 ÷ 60
	Dust	II	2	D	Ex	ia	IIIC	-	T100°C	Db	IP6X	
<b>SIP40-N15 LC3 AGD</b>	Gas	II	1	G	Ex	ia	IIA	T5	-	Ga	-	-25 ÷ 60
<b>SIP40-N15 LCn AGD</b>	Dust	II	1	D	Ex	ia	IIIC	-	T100°C	Da	IP6X	
<b>SIP40-NE20 K AGD (1)</b>	Gas	II	2	G	Ex	ia	IIB	T5	-	Gb	-	-25 ÷ 60
	Dust	II	2	D	Ex	ia	IIIC	-	T100°C	Db	IP6X	
<b>SIP40-NE20 LC3 AGD</b>	Gas	II	1	G	Ex	ia	IIA	T5	-	Ga	-	-25 ÷ 60
<b>SIP40-NE20 LCn AGD</b>	Dust	II	1	D	Ex	ia	IIIC	-	T100°C	Da	IP6X	
<b>SIQ80-NE50 K AGD (1)</b>	Gas	II	2	G	Ex	ia	IIB	T5	-	Gb	-	-25 ÷ 60
<b>SIQ80-NE50 AGD</b>												
<b>SIQ80-NE50 LCn AGD</b>	Dust	II	2	D	Ex	ia	IIIC	-	T100°C	Db	IP6X	
<b>SIA05-NE H1 AGD (1)</b>	Gas	II	1	G	Ex	ia	IIA	T5	-	Ga	-	-25 ÷ 60
<b>SIA05-NE AGD</b>												
<b>SIA05-NE LCn AGD</b>	Dust	II	1	D	Ex	ia	IIIC	-	T100°C	Da	IP6X	
<b>SIA12-NE H1 AGD (1)</b>	Gas	II	1	G	Ex	ia	IIB	T5	-	Ga	-	-25 ÷ 60
<b>SIA12-NE AGD</b>												



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<b>SIA12-NE■ LCn AGD■</b>	Dust	II	1	D	Ex	ia	IIIC	-	T100°C	Da	IP6X	
<b>SIA15-NE H1 AGD■ (1)</b>	Gas	II	1	G	Ex	ia	IIB	T5	-	Ga	-	-25 ÷ 60
<b>SIA15-NE■ AGD■</b>												
<b>SIA15-NE■ LCn AGD■</b>	Dust	II	1	D	Ex	ia	IIIC	-	T100°C	Da	IP6X	
<b>SIA22-NE H AGD■ (1)</b>	Gas	II	1	G	Ex	ia	IIB	T5	-	Ga	-	
<b>SIA22-NE■ AGD■</b>												
<b>SIA22-NE■ LCn AGD■</b>	Dust	II	1	D	Ex	ia	IIIC	-	T100°C	Da	IP6X	
<b>SIA30-NE H AGD■ (1)</b>	Gas	II	1	G	Ex	ia	IIB	T5	-	Ga	-	-25 ÷ 60
<b>SIA30-NE■ AGD■</b>												
<b>SIA30-NE■ LCn AGD■</b>	Dust	II	1	D	Ex	ia	IIIC	-	T100°C	Da	IP6X	
<b>SIA44-NE H AGD■ (1)</b>	Gas	II	2	G	Ex	ia	IIB	T5	-	Gb	-	
<b>SIA44-NE■ AGD■</b>												
<b>SIA44-NE■ LCn AGD■</b>	Dust	II	2	D	Ex	ia	IIIC	-	T100°C	Db	IP6X	
<b>SIA63-NE H AGD■ (1)</b>	Gas	II	2	G	Ex	ia	IIB	T5	-	Gb	-	-25 ÷ 60
<b>SIA63-NE■ AGD■</b>												
<b>SIA63-NE■ LCn AGD■</b>	Dust	II	2	D	Ex	ia	IIIC	-	T100°C	Db	IP6X	

**Note:**

"X" = 8 for model with integrated cable or

"X" = 6 or 7 depending on the connector type connected to the sensor (models one only with (1))

[15.5] **Degree of protection (IP code):**

IP66 / IP67 / IP68

(For IPX8: 30 min 1 bar according to EN 60529)

[15.6] **Warnings:**

None

[16] **Report:** AT21-066180-01\_B

[16.1] **Routine (factory) tests:**

The manufacturer shall carry out the routine test prescribed at clauses 27 of the EN 60079-0.

## [13] Annex

[14] EU-type Examination Certificate number: **IMQ 13 ATEX 019**

### [16.2] **Conformity with the documentation:**

The manufacturer shall carry out the verifications or tests necessary to ensure that the product complies with the documentation.

Marking the equipment in accordance with Clause 29 of EN 60079-0, the manufacturer attests on his own responsibility that:

- the equipment has been constructed in accordance with the applicable requirements of the relevant standards in safety matters;
- the routine verifications and routine tests in 28.1 of EN 60079-0 have been successfully completed with positive results.

### [16.3] **Installation conditions:**

Above referred equipment is foreseen to be installed in locations where there are environmental conditions, as clearly specified at clause 1, par. 2 of EN 60079-0.

Installation and use in atmospheric and environmental conditions that are out of above-mentioned intervals request special considerations and additional measures by the side of installer or user.

These should be specified to the manufacturer by the user;

It is not a required by applicable standard listed in [9] that the certification body confirm suitability for the adverse conditions.

NAMUR Inductive proximity sensors shall be supplied by associated apparatus certified according to EN 60079-0, EN 60079-11, with suitable electrical characteristics.

Connectors used shall maintain minimum declared degree of protection (IP66, IP67 or IP68 according to the marking).

Metallic body of models with metallic enclosure shall be earthed.

### [17] **Special Condition of use (X):**

None

### [18] **Essential Health and safety Requirements:**

This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in [9].

This Certificate **does not** cover hazards coming from environmental conditions different from those clearly and precisely indicated and covered in clause 1 of EN 60079-0.

ESHR 1.2.7 According Annex VIII of the Directive

ESHR 1.4 Not verified.

ESHR 1.5 Not verified.

ESHR 3 Not applied.

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at [9], the following are considered relevant to this product, and conformity is demonstrated in the report:

N/A

### [19] **Descriptive documents:**

DL-AT21-0066180\_B, rev. 0, dated 2021-10-28

### [20] **Certification Validity Conditions:**

The use of this Certificate is subject to the Certification Scheme and to the Regulation applicable to

[13] **Annex**

[14] EU-type Examination Certificate number: **IMQ 13 ATEX 019**

holders of IMQ Certificates.

The validity of this certificate is subject to the condition that the manufacturer complies with the results of the document review and of the pertinent requirement if any included, recorded in the relevant copy of documentation as per 19.

One copy of the mentioned documentation is kept in IMQ file.

[21] **Variations**

January 2014

First issue

March 2022

- Standard update

- Updated resin compound specifications