



Product Service

EC-Type Examination Certificate

No. M6A 075157 0027 Rev. 04

Holder of Certificate: **Pizzato Elettrica s.r.l.**
Via Torino 1
36063 Marostica (VI)
ITALY

Product: **Safety components**
RFID Proximity Switch

This EC Type Examination Certificate is issued according to Article 12(3) b or 12(4) a of Council Directive 2006/42/EC relating to machinery. It confirms that the listed Annex-IV equipment complies with the principal protection requirements of the directive. It refers only to the sample submitted to TÜV SÜD Product Service GmbH for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: PM84563T

Valid until: 2029-07-01

Date, 2024-07-05

(Christian Dirmeier)

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ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT



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Model(s): ST-RFID - Sensor

Nomenclature of ST-RFID - Sensor
ST a b c d e f g - h h h i - l
with

a	Model	
	D	plastic enclosure 72x25x18 mm
	G	plastic enclosure 37x26x18 mm
	H	plastic enclosure 90x25x18 mm
b	Connection output direction	
	D	PA66 enclosure (ST D only: output from right)
	E	PA66 enclosure with internal magnet (ST H only)
	K	PC enclosure (ST G and ST H only)
	L	PC enclosure with internal magnet (ST D only: PA66 and output from left)
c	Inputs and outputs	
	1	Safety outputs: 2
		Auxiliary outputs: n/a
		Safety inputs: n/a
	2	Safety outputs: 2
		Auxiliary outputs: 1
	3	Safety outputs OS: 2
		Auxiliary outputs: 1
		Safety inputs: 2
	4	Safety outputs: 2
		Auxiliary outputs: 1
		Safety inputs: 2
		Programming input: 1
	5	Safety outputs: 2
		Auxiliary outputs: 1
		Safety inputs: 2
		EDM input: 1
	6	Safety outputs: 2
		Auxiliary outputs: 1 active low
	7	Safety outputs OS: 2
		Auxiliary outputs: 1 active low
		Safety inputs: 2

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8	Safety outputs:	2
	Auxiliary outputs:	1 active low
	Safety inputs:	2
	Programming input:	1
9	Safety outputs:	2
	Auxiliary outputs:	1 active low
	Safety inputs:	2
	EDM input:	1
d	Tag code Programming	
	1 factory programmed	
	2 Programmable	
	3 factory programmed multiple tags	
e	Power supply voltage	
	0 24 Vdc -15%...+10%	
	1 12-24 Vdc (ST D only)	
	10-30 Vdc (ST H only)	
f	Type of cable or connector	
	M M12 connector	
	N Black PVC cable	
	H PUR grey cable	
	T PUR grey cable and M12 connector	
g	cable length or connector (1 to 3 digits)	
	K Integrated INOX connector only (without cable)	
	P Integrated plastic connector only	
	xxx xxx m cable (e.g. 0.1=0,1 m cable length, 2=2 m cable length, 10=10 m cable length, etc...)	
hhh	Actuator	
	blank No actuator provided	
	D0T actuator with low coding level - 45x25x18 mm	
	D1T actuator with high coding level - 45x25x18 mm	
	E0T actuator with low coding level - 50x40x16 mm	
	E1T actuator with high coding level - 50x40x16 mm	
	L0T actuator with low coding level - 53x16x7 mm	
	L1T actuator with high coding level - 53x16x7 mm	
	G0T actuator with low coding level - 37x26x18 mm	

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- G1T actuator with high coding level - 37x26x18 mm
- H0T actuator with low coding level - 90x25x18 mm
- H1T actuator with high coding level - 90x25x18 mm

i Actuator enclosure material and internal magnet configuration

- blank PA66 enclosure with no magnet
- E PA66 enclosure with low force magnet (ST H only)
- F PA66 enclosure with medium force magnet (ST H only)
- G PA66 enclosure with high force magnet (ST H only)
- K PC enclosure with no magnet
- L PC enclosure with low force magnet (ST H only)
- M PC enclosure with medium force magnet (ST H only)
- N PC enclosure with high force magnet (ST H only)

I Optional alphanumeric code (any length)

- T8 wider temperature range version $-35^{\circ}\text{C} \div +85^{\circ}\text{C}$
(ST G and ST H only)
- Pn available programs for multiTag recognition and related output
signaling behavior, see manual attachment (ST G and ST H
only)

Other alphanumeric codes could be added to product code for customer's non-electrical and nonsafety related variations (e.g. color, special labeling, special packaging, etc.).

Nomenclature of ST-RFID - Actuator

SM a b b c - d

with:

a Size

- D 45x25x18 mm
- E 50x40x16 mm
- G 37x26x18 mm
- H 90x25x18 mm
- L 53x16x7 mm

bb Actuator type

- 0T actuator with low coding level
- 1T actuator with high coding level

c Actuator enclosure material and internal magnet configuration

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- blank PA66 enclosure with no magnet
- E PA66 enclosure with low force magnet
- F PA66 enclosure with medium force magnet
- G PA66 enclosure with high force magnet
- K PC enclosure with no magnet
- L PC enclosure with low force magnet
- M PC enclosure with medium force magnet
- N PC enclosure with high force magnet

d Optional alphanumeric code (any length)

An optional alphanumeric code could be added to product code for customer's non-electrical variations (e.g. color, special labeling, special packaging, etc.).

AN a bbbbb A c - d
with

a Sensor TAG coding

- T ST sensors coding

bbbbbb handle configuration (unrelated from TAG code)

Any code

A fixed letter 'A'

c Actuator coding level:

- 0 low level coded actuator
- 1 high level coded actuator

d Optional alphanumeric code (any length)

An optional alphanumeric code could be added to product code for customer's non-electrical variations (e.g. color, special labeling, special packaging, etc.).

Parameter:

Operating voltage:	
Standard:	24 Vdc -15%...+10%
Wide input:	12 - 24 Vdc -30%...+25% (ST D only) 10 - 30 Vdc (ST H only)
Protection degree:	IP67 and IP69K
Operating temperature:	-25°C ... +70°C
Storage temperature:	-25°C ... +85°C