ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

C E R T I F I C A T E

No. Z10 075157 0026 Rev. 06

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

Certification Mark:

Product: **Safety components**
RFID Proximity Switch

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. 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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Parameters:

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

Tested according to:

2006/42/EC
EN ISO 13849-1:2023 (up to Cat. 4 PL e)
EN 60947-5-3:2013
EN 61508-1:2010 (SIL 3)
EN 61508-2:2010 (SIL 3)
EN 61508-3:2010 (SIL 3)
IEC 62061:2021
EN ISO 14119:2013

Model(s): ST-RFID - Sensor

Nomenclature of ST-RFID - Sensor
ST a b c d e f g- hhhi- 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

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6	Safety outputs:	2
	Auxiliary outputs:	1 active low
7	Safety outputs OS:	2
	Auxiliary outputs:	1 active low
	Safety inputs:	2
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 lenght, 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
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)

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	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)
l	**Optional alphanumeric code (any length)**	
	T8	wider temperature range version -35°C ÷ +85°C (ST G and ST H only)
	P*n*	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 non-safety related variations (e.g. color, special labeling, special packaging, etc.).

Nomenclature of ST-RFID - - Actuator
SM a bbc-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:**	
	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 lenght):** An optional alphameric code could be added to product code for customer's non-electrical variations (e.g. color, special labeling, special packaging, etc.).	

AN abbbbbAc-d
with

a	Sensor TAG coding: T: ST sensors coding
bbbbb	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 lenght): An optional alphameric code could be added to product code for customer's non-electrical variations (e.g. color, special labeling, special packaging, etc.)

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