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C E R T I F I C A T E

Certificate no. 18-SIL-0010027-03-TIC

WE HEREBY CERTIFY THAT

Product description SOLD0™ BOLT MICRO SWITCH BOXES

Series BM, TB

Manufacturer Rotork Instruments Italy S.r.l.
Viale Europa 17 – 20090 Cusago MI



IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE STANDARDS

IEC 61508 Parts 1–7:2010

AS RESULT OF THE ASSESSMENT ACCORDING TO THE PROVISION
SET OUT IN THE ABOVE-MENTIONED STANDARDS

Report no. RC-0220-SIL-TIC-PC-0010027-18-02

Expiry date 13.02.2023

Note

This certificate is issued upon the request of the manufacturer as voluntary certification; it does not include the production surveillance.

This certificate does not allow the manufacturer to use the safety mark of TÜV INTERCERT.



Reggio Emilia, 14.02.2020

Dipl. Ing. Feridoon Sergizzarea

TÜV INTERCERT Certification Body

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C E R T I F I C A T E

ANNEX to Certificate no. 18-SIL-0010027-03-TIC

Type	A
HFT	0
Safety functions	1. Give an output signal to indicate that the actuator has moved from the "normal position" 2. Give an output signal to indicate that the actuator has reached the "safe position"
Mode of operation	Low Demand Mode

Random failure rates				
Configuration	Safety function	λ_D [1/h]	λ_S [1/h]	SFF [%]
Soldo™ Bolt micro switch boxes	1 / 2	4,8E-10	<1,0E-09	> 60% > 99% including PST

Systematic capability	3 (Route 1 _S applied)			
Architectural constraints	Route 1 _H :	Applied	Route 2 _H :	Applied
	The product can be used in: <ul style="list-style-type: none">single channel configuration:<ul style="list-style-type: none">up to SIL 2 without external diagnostic testsup to SIL 3 considering external diagnostic testsdouble channel configuration: up to SIL 3			

- Remarks:**
- For further details, including environmental conditions, limitations of use, lifetime, failure rates traceability, mean repair times, common cause factors and systematic capability constraints, make reference to Safety Manual IOM00069_04.

-----END OF CERTIFICATE-----

Reggio Emilia, 14.02.2020


Dipl. Ing. Feridoon Sergizzarea

TÜV INTERCERT Certification Body