

Environmental and material tests (ENV) SECTOR

Product description:	Limit switch box
Tested Models:	brand name SF5P2A0-21W01Z4 for details see table at page 6 of this document
Manufacturer:	SOLDO S.r.l. Via Portico, 17 - 24050 Orio al Serio (BG) - Italy

Tested according to:	Customer specification
Application:	Functional test at 250 °C and 300 °C
Remarks:	None

Customer:	ROTORK INSTRUMENTS ITALY S.R.L Viale Europa, 17 - 20090 Cusago (MI) - Italy		
Purchase Order:	IT03P0019492-1	dated:	2020-12-03
Order Confirmation:	CO 2020-0358-00	dated:	2020-12-03

Samples receiving date:	2020-12-15 and 2021-02-24			
Tests date:	from:	2021-01-11	to:	2021-03-11

Test Laboratory INTEK S.p.A. - Test and Measurement Division Via Mazzini, 75 - 25086 Rezzato (BS) - Italy Tel. +39 030 2591857 Fax +39 030 2594351 url: http://www.intek.it e-mail: info@intek.it	Test site INTEK S.p.A. - Test and Measurement Division Via Breve - 25086 Rezzato (BS) - Italy
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Written by

Claudio Bariselli
Test Engineer

Verified by

Flavio Floriani
LV Sector Manager

Approved by

Alberto Amistani
Laboratory ManagerFirmato digitalmente da
ALBERTO AMISTANI

This document does not include any attachments.

Rev.	Date	Description
00	2021-04-02	Formal issue

*Results of tests and controls reported in this document refer only to samples as tested and described.**It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.**Partial reproductions of this document are absolutely forbidden, except with written authorization by INTEK S.p.A.*

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Sample ID	Manufacturer	Model / Type	Code internal micro
1	SOLDO	SF5P2A0-21W01Z4	Crouzet – 83261179 (micro)
2	SOLDO	SF5P2A0-21W01Z4	Crouzet – 83261179 (micro)
3	SOLDO	SF5P2A0-21W01Z4	Crouzet – 83261179 (micro)
4	SOLDO	SF5P2A0-21W01Z4	Crouzet – 83261179 (micro)
5	SOLDO	SF5P2A0-21W01Z4	Crouzet – 83261179 (micro)
6	SOLDO	SF5P2A0-21W01Z4	Crouzet – 83261179 (micro)
7	SOLDO	SF5P2A0-21W01Z4	Honeywell – 11SM244-HA (micro) JS-246 (lever)
8	SOLDO	SF5P2A0-21W01Z4	Honeywell – 11SM244-HA (micro) JS-246 (lever)

Note: Only the tested objects are reported in this table

3.1.1 TECHNICAL DATA

Power supply nominal voltage:	240 Vac
Rated frequency:	50 Hz
Rated power / current:	5 A
Extreme environmental ranges:	250°C and 300 °C
Dimensions:	/
Other:	microswitch with terminal: Faston

6.1.3 SUMMARY OF RESULTS

Sample No.	Description	Result
1 – 2	Functional test at 250 °C.	During the test, the micro switch operates correctly at 250 °C and do not present any mechanical damage that may impair correct operations. See table 6.1.3.1 for details of the recorded values.
3 – 4	Functional test at 300 °C	During the test, the micro switch does not operate correctly at 300 °C and present a mechanical damage on the micro switch cursor. The test was stopped after 30 minutes. See table 6.1.3.1 for details of the recorded values.
5 – 6	Functional test at 300 °C	During the test, the micro switch does not operate correctly at 300 °C and present a mechanical damage on the micro switch body. The test was stopped after 3 hours. See table 6.1.3.1 for details of the recorded values.
7 – 8	Functional test at 300 °C	During the test, the micro switch operates correctly at 300 °C and do not present any mechanical damage that may impair correct operations. See table 6.1.3.1 for details of the recorded values. #1

Notes: #1 - after the 3 hours of testing, the Customer requested 2 more hours in the same condition; this test was conducted 24 hours after the end of the first 3 hours test; in that period (24 hours) the samples were stored at laboratory environmental temperature (23 ± 5) °C