

## 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

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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