LCIE SUD EST
Laboratoire de Moirans
Z.I. Centr'Alp
170, Rue de Chatagnon
38430 MOIRANS - FRANCE

GENERAL INFORMATION

FCCID: **OQMRSRG**

1.1. Product description

The **RSRG** receiver is integrated in the control component of a machine. It enables (or forbids) operation of the machine and transmits the possible commands assigned to the buttons connected to the **RSEF** transmitter.

The **RSRG** receiver stops operation of the machine when any of the following conditions are present :

Case 1 : **Deactivation of a safety input (for example : contact on a gate or an emergency stop) connected to the RSEF transmitter**
→ Safety interlock subsequent to stop request.

Case 2 : **Action on emergency stop device wired to the RSRG receiver.**
→ Safety interlock subsequent to stop request.

Case 3 : **Interruption of radio link during use**
When the system is in use, the **RSEF** transmitter has a continuous radio link with the **RSRG** receiver. Should this link be interrupted for more than the passive stop time, the receiver automatically triggers stopping of the installation.
→ Safety interlock prior to loss of control of stopping function.

Case 4 : **Detection of a malfunction (see section 7 for troubleshooting)**

1.2. Tested System Details

Power supply:
During all the tests, EUT is supplied by V_{nom}: **24VDC**
For measurement with different voltage, it will be presented in test method.

Name	Type	Rating	Reference / Sn	Comments
Supply1	DC	24VDC	-	-

Inputs/outputs - Cable:

Access	Type	Length used (m)	Declared <3m	Shielded	Under test	Comments
Supply1	2 wires	2.5	No	No	Yes	/
Access1	Emergency stop button	0.3	No	No	No	/
Access2	Antenna	0.2	No	No	No	/

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1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 or/and ANSI C63.10, FCC Part 15 SubPart 15B.
Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

1.4. Test facility

Tests have been performed: **March 06, 2024 to March 22, 2024**

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4 or/and ANSI C63.10.
This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55032/CISPR32 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.