



EU Type Examination Certificate CML 19ATEX1357 Issue 0


- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **SOLDO™ Junction Box (JB) and Easy Switch (ES)**
- 3 Manufacturer **Rotork Instruments Italy srl** **Fairchild Industrial Products Co.**
- 4 Address Via Portico 17 3920 West Point Blvd.
24050 Winston-Salem
Orio al Serio (BG) North Carolina 27103
Italy USA
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V., Chamber of Commerce No 6738671, Hoogoorddreef 15, Amsterdam, 1101 BA, The Netherlands, Notified Body Number 2776, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018

EN 60079-1:2014

EN 60079-31:2014

- 10 The equipment shall be marked with the following:

 II 2GD

Ex db IIC T* Gb

Ex tb IIIC T*°C Db

Ta = -65°C to +*°C

*The ambient temperature classes and maximum surface temperature for dust depend upon the ambient temperature ranges. See Table in Section 11.



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11 Description

The SOLDOTM Junction Box (JB) and Easy Switch (ES) both use an enclosure that has an internal volume of less than 100 cm³ and is made up from two parts, a bottom part (base) and a threaded lid. The base and the lid, which screw together, can be manufactured from either cast aluminium or stainless steel. Threaded cable entries (either M20 or 1/2"NPT) in the base allow connections of the terminal block to external equipment. here are two configurations:

- The Soldo Junction Box (JB 01) has an internally mounted terminal block and PCB; this is housed in the base which has two threaded entries.
- The Soldo Easy Switch (ES) contains an internally mounted terminal block and PCB with attaching micro-switches or reed switches; these are housed in the base which has a single threaded entry.

It is envisaged that the these devices may be used in situations where the process temperature of the equipment to which they are attached could be in excess of their maximum ambient temperature limit, if this the case, then a method of protecting the devices must be provided such that their maximum ambient temperature is observed (see manufacturer's instructions).

The applicable ambient temperature ranges and corresponding Temperature Classes and Maximum Surface Temperatures for Dust are detailed in the table below:

Ambient Temp. Range	T Class	Maximum Surface Temp. for Dust
-65°C to +70°C	T6	T85°C
-65°C to +85°C	T5	T100°C
-65°C to +120°C	T4	T135°C
-65°C to +150°C	T3	T200°C

Rating:

Max. Voltage: 125 Vdc/250 Vac

Max. Current: 5 A

Max. Power: 3 W (Easy switch), 1 W (Junction Box)

Notes:

- Sira 12ATEX1299 is superseded by this certificate.
- The product covered by Issue 0 of this certificate remains identical to that previously covered by Sira 12ATEX1299.
- Where Sira 12ATEX1299 is specified in other product certification, or other technical specifications, this certificate reference for the product shall be used in its place; updating of the other product certificate or technical specification is not required.



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12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	04 Oct 2019	R12654A/00	Initial issue

Note: Drawings that describe the equipment or component are listed in the Annex.

13 Conditions of manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Where the product incorporates certified parts or safety critical components the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- ii. The manufacturer's instruction documents shall contain clear information that advises the user about the restrictions associated with process temperatures and the precautions that may need to be observed. This information shall remain constant in any subsequent issues of their instruction documents.

14 Specific Conditions of Use (Special Conditions)

None.



Certificate Annex

Certificate Number CML19ATEX1357
Equipment SOLDOTM Junction Box (JB) and Easy Switch (ES)
Manufacturer Rotork Instruments Italy srl

The following documents describe the equipment or component defined in this certificate:

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
SD-0201105-00	1 of 1	-	04 Oct 2019	Corpo alluminio easy switch certificazione
SD-0201104-00	1 of 1	-	04 Oct 2019	Corpo alluminio junction box certificazione
SD-0201109-00	1 of 1	-	04 Oct 2019	Corpo INOX easy switch certificazione
SD-0202075-00	1 of 1	-	04 Oct 2019	Coperchio INOX easy switch certificazione
SD-0202076-00	1 of 1	-	04 Oct 2019	Coperchio alluminio easy switch certificazione
SD-0225255-00	1 of 1	-	04 Oct 2019	Part list junction box alluminio certificazione
SD-0225256-00	1 of 1	-	04 Oct 2019	Part list junction box alluminio certificazione
SD-0225260-00	1 of 1	-	04 Oct 2019	Part list easy switch INOX certificazione
SD-0225261-00	1 of 1	-	04 Oct 2019	Part list junction box INOX certificazione
SD-0211051-02	1 of 1	2-1	04 Oct 2019	Easy switch metal nameplate certificazione ATEX-IECEX
SD-0211069-02	1 of 1	2-1	04 Oct 2019	JB metal nameplate certificazione ATEX-IECEX
SD-0201108-00	1 of 1	-	04 Oct 2019	Corpo INOX junction box certificazione
SD-0225254-00	1 of 1	-	04 Oct 2019	Circuito Stmpato Easy Switch SP-3.2
SD-0223352-00	1 of 1	-	04 Oct 2019	Scheda Easy Switch Nova V3
SD-0223354-00	1 of 1	-	04 Oct 2019	Scheda Easy Switch C4 Circuito Stmpato
SD-0201108-02	1 of 1	02	04 Oct 2019	Corpo INOX junction box



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Drawing No	Sheets	Rev	Approved date	Title
SD-0201107-03	1 of 1	03	04 Oct 2019	Fusione Corpo Alluminio Easy Switch
SD-0201106-03	1 of 1	03	04 Oct 2019	Fusione Corpo Junction Box
SR-0201105-01	1 of 1	01	04 Oct 2019	Lavorazione Corpo Alluminio Easy Switch
SR-0201104-00	1 of 1	01	04 Oct 2019	Lavorazione Corpo Alluminio Junction Box
SR-0201109-02	1 of 1	02	04 Oct 2019	Corpo INOX Easy Switch
SR-0202075-01	1 of 1	01	04 Oct 2019	Coperchio INOX Easy Switch
SR-0202076-00	1 of 1	-	04 Oct 2019	Lavorazione Coperchio Alluminio Easy Switch
SR-0202077-01	1 of 1	01	04 Oct 2019	Fusione Coperchio Easy Switch
SR-0225255-00	1 of 1	-	04 Oct 2019	Part List Junction Box Aluminum
SR-0225256-00	1 of 1	-	04 Oct 2019	Part List Easy Switch Nova V3 Aluminum
SR-0225260-00	1 of 1	-	04 Oct 2019	Part List Easy Switch INOX NOVA V3
SR-0225261-00	1 of 1	-	04 Oct 2019	Part List Junction Box INOX
SR-0225258-00	1 of 1	-	04 Oct 2019	Part List Easy Switch C4
SR-0225259-00	1 of 1	-	04 Oct 2019	Part List Easy Switch INOX C4
SR-0215254-00	1 of 1	-	04 Oct 2019	Circuito Stmpato Easy Switch SP-3.2
SR-0223353-00	1 of 1	-	04 Oct 2019	Scheda Easy Switch C4



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Drawing No	Sheets	Rev	Approved date	Title
SR-0223354-00	1 of 1	-	04 Oct 2019	Scheda Easy Switch C4 Circuito Stmpato 1.6
SR-0223355-00	1 of 1	-	04 Oct 2019	Scheda Junction Box 6Poli