



## EU Certificate of ATEX Component Conformity

In accordance with EN ISO / IEC 17050-1:2010

### Safety Adapter ISA-100 and ISA-101

**Declaration Number:** 2004Y0157\_03

**Description:** Adapters which facilitate external connection between a flameproof enclosure and intrinsically safe component or instrument.

**Intended Use:** Intended for assembly as part of an intrinsically safe stationary or portable combustible gas detection instrument

**Manufacturer:** RAE Systems Inc., A Honeywell Company, 1349 Moffett Park Drive, Sunnyvale, California, 94089, USA

**Trading Company:** Life Safety Distribution GmbH, Z.A. La Piece 16, 1180 Rolle, Switzerland

The functional performance of apparatus using these components and compliance with the applicable European Directives is the responsibility of the manufacturer of the equipment and/or the end user.

The letter "U" placed after the certificate number indicates that this certificate is for certification of the component only and that a further ATEX EU-Type Examination certificate will be required for equipment or protective systems. This declaration is issued under the sole responsibility of the manufacturer.

### ATEX Directive 2014/34/EU

#### ATEX Hazardous


**Notified Body:** INTERTEK ITALIA SPA.  
Via Guido Miglioli, 2/A, 20063 Cernusco sul Naviglio (MI), Italy

**Notified Body Number:** 2575

**EU Certificate Number:** ITS10ATEX16917U

Conforms to:

EN 60079-0:2012/A11:2013\* Explosive atmospheres - Part 0: Equipment - General requirements  
EN 60079-1:2014 Explosive atmospheres. Equipment protection by flameproof enclosures 'd'  
EN 60079-11:2012 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

**Type Approval:**  II 2(1)G Ex db [ja Ga] IIC Gb  
-20°C ≤ Ta ≤ +55°C

\* There are no significant changes relevant to the product between EN 60079-0:2012, EN 60079-0:2012/A11:2013 and EN IEC 60079-0:2018, therefore certification remains current.



**Honeywell**

**Production Quality Assurance**

**Notified Body:** DNV GL Nemko Presafe AS  
Veritasveien 3 1363 Høvik, Norway  
**Notified Body Number:** 2460  
**QA Notification Number:** Presafe 16 ATEX 7788Q

Conforms to:  
ISO/IEC 80079-34:2018 Explosive atmospheres. Application of quality systems for equipment manufacture

**Specific Conditions of Use:-**

1. Safety Adapter ISA-100 and ISA-101 are adapters which facilitate external connection between a flameproof enclosure and intrinsically safe component or instrument. The Safety Adapter constitutes an Intrinsically Safe Interface (associated apparatus) that is located within a flameproof enclosure. The safety adapter has a threaded output flange equipped with an 8 pin connector for connection to external circuits. The output flange is equipped with a thread that facilitates the mounting of an intrinsically safe component or instrument by the means of a union nut.
2. The following IS parameters are valid for component approved Safety Adapter. Input / Output parameters for the equipment:
  - Um: 28 VDC
  - Uo: 5.91V
  - Io: 0.8 A
  - Po: 1.16 W
  - Co: 30  $\mu$ F
  - Lo: 55  $\mu$ H

The above given entity parameters are to be considered as the sum of all power outputs.

**Signature:**

**Name: James Pan**  
Quality Engineer

**Date:** 23<sup>rd</sup> January 2023

For and on behalf of: RAE Systems Inc., A Honeywell Company, 1349 Moffett Park Drive, Sunnyvale, California, 94089, USA

## UK Certificate of ATEX Component Conformity

*In accordance with EN ISO / IEC 17050-1:2010*

### Safety Adapter ISA-100 and ISA-101

**Declaration Number:** 2004Y0157\_03

**Description:** Adapters which facilitate external connection between a flameproof enclosure and intrinsically safe component or instrument.

**Intended Use:** Intended for assembly as part of an intrinsically safe stationary or portable combustible gas detection instrument

**Manufacturer:** RAE Systems Inc., A Honeywell Company, 1349 Moffett Park Drive, Sunnyvale, California, 94089, USA

**Trading Company:** Life Safety Distribution GmbH, Z.A. La Piece 16, 1180 Rolle, Switzerland

The functional performance of apparatus using these components and compliance with the applicable European Directives is the responsibility of the manufacturer of the equipment and/or the end user.

The letter "U" placed after the certificate number indicates that this certificate is for certification of the component only and that a further ATEX EU-Type Examination certificate will be required for equipment or protective systems. This declaration is issued under the sole responsibility of the manufacturer.

### Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107

#### UKEX Hazardous

**Approved Body:** Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 7SA

**Approved Body Number:** 0359

**UK Certificate Number:** ITS21UKEX0241U

Conforms to:

EN IEC 60079-0:2018	Explosive atmospheres - Part 0: Equipment - General requirements
EN 60079-1:2014	Explosive atmospheres. Equipment protection by flameproof enclosures 'd'
EN 60079-11:2012	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

**Production Quality Assurance**

**Notified Body:** DNV Business Assurance UK, Ltd. 4<sup>th</sup> Floor Vivo Building, 30 Stamford Street, London, SE1 9LQ

**Notified Body Number:** 8501

**QA Notification Number:** DNV 22 UKQAN 30359

Conforms to:  
IEC 80079-34:2018 Explosive atmospheres. Application of quality systems for equipment manufacture

**Specific Conditions of Use:-**

3. Safety Adapter ISA-100 and ISA-101 are adapters which facilitate external connection between a flameproof enclosure and intrinsically safe component or instrument. The Safety Adapter constitutes an Intrinsically Safe Interface (associated apparatus) that is located within a flameproof enclosure. The safety adapter has a threaded output flange equipped with an 8 pin connector for connection to external circuits. The output flange is equipped with a thread that facilitates the mounting of an intrinsically safe component or instrument by the means of a union nut.
4. The following IS parameters are valid for component approved Safety Adapter. Input / Output parameters for the equipment:
  - Um: 28 VDC
  - Uo: 5.91V
  - Io: 0.8 A
  - Po: 1.16 W
  - Co: 30  $\mu$ F
  - Lo: 55  $\mu$ H

The above given entity parameters are to be considered as the sum of all power outputs.

**Signature:**

**Name: James Pan**  
Quality Engineer

**Date:** 23<sup>rd</sup> January 2023

For and on behalf of: RAE Systems Inc., A Honeywell Company, 1349 Moffett Park Drive, Sunnyvale, California, 94089, USA