

CERTIFICATE



Italia

[1] EU-TYPE EXAMINATION CERTIFICATE

[2] **Component intended for use
in potentially explosive atmospheres
Directive 2014/34/EU**

[3] EU-Type Examination Certificate number:

TÜV IT 16 ATEX 001 U Rev.1

[4] Component: Metallic enclosures EKO, APD, ADN series

[5] Manufacturer: IRINOX S.p.a.

[6] Address: Via Madonna di Loreto, 6/B
I-31020 Corbanese di Tarzo (TV) Italy

[7] This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] TÜV Italia, notified body no. 0948 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 product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. R 16 EX 001 Rev.1

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018; EN 60079-7:2015/A1:2018; EN 60079-31:2014

[10] The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

[11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:



**II 2G Ex eb IIC Gb
II 2D Ex tb IIIC Db (EKO and ADN series)
II 2D Ex tb IIIA Db (only APD serie)**

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Issue date: 15th February 2021



PRD N° 081B

Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual
Recognition Agreements



**TÜV Italia S.r.l.
Notified body N° 0948**

Alberto Carelli

**Industry Service - Real Estate & Infrastructure
Managing Director**

TÜV Italia has been authorized by Italian government to operate as notified body for the certification of equipment or protective system intended for use in potentially explosive atmospheres. This document is not valid without official signature and logo. The internal reference code is 722239965

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PEX-01-M004_r07 del 29/03/2018

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SCHEDULE

[14]

EU-TYPE EXAMINATION CERTIFICATE
No. TÜV IT 16 ATEX 001 U Rev.1



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Certificate History

Revision:	Description:	Report rev.:	Date:
-	First issue	-	09/03/2016
1	New model ADN; dust group updated to IIIC; standards updated	1	15/02/2021

[15] Description of component

Empty enclosure in stainless steel AISI304 or AISI316L suitable for housing electrical, electronic or pneumatic devices in environments where there may be the presence of potentially explosive atmospheres (chemical, food, pharmaceutical and petrochemical field).

The empty enclosures are intended for incorporation into equipment with “Ex eb”, “Ex tb”, “Ex p*b” and “Ex i*” type of protection.

The enclosures are divided according to the type and dimensions.

ADN Enclosures			
	Width [mm]	Height [mm]	Depth [mm]
Smallest	80	80	60
Largest	600	600	210

EKO Enclosures			
	Width [mm]	Height [mm]	Depth [mm]
Smallest	200	200	90
Largest	1000	1600	800

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APD Enclosures			
	Width [mm]	Height [mm]	Depth [mm]
Smallest	90	90	60
Largest	400	400	200

Rated characteristics

	ADN	EKO	APD
Enclosure material	AISI 304 AISI 316L AISI 316Ti	AISI 304 AISI 316L AISI 316Ti	AISI 304 AISI 316L AISI 316Ti
Surface finishing	Fine satin scotch brite medium	Fine satin scotch brite medium	Fine satin scotch brite medium
Mechanical resistance to impact	7J IK08 – tested as standard equipment	7J IK10 – tested as standard equipment	7J IK10 – tested as standard equipment
Ambient temperature	Tmin: -50°C Tmax: +80°C	Tmin: -50°C Tmax: +80°C	Tmin: -50°C Tmax: +80°C
Service temperature	Tmin: -50°C Tmax: +115°C	Tmin: -50°C Tmax: +115°C	Tmin: -50°C Tmax: +115°C
Protection degree	IP66	IP66	IP66

Warning label

None

[16] Report no. R 16 EX 001 Rev.1

[17] Schedule of limitations

None

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SCHEDULE

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[18] Essential Health and Safety Requirements

Assured by compliance with the standards set out in the [9].

[19] Drawings and Documents

Listed documents (prot. 262029 + 722239965)

Title:	Description:	Pages:	Rev:	Date:
I PROG 42-00	Technical file EKO enclosures	6	1	08/02/2021
I PRG 03-00	Technical file APD enclosures	3	1	10/02/2021
I PROG 39	Technical file ADN enclosures	6	0	24/09/2020
-	Nameplate EKO enclosures	1	-	08/02/2021
-	Nameplate APD enclosures	1	-	08/02/2021
-	Nameplate ADN enclosures	1	-	08/02/2021
I PROG 43.00	Safety instructions EKO enclosures	12	-	10/02/2021
-	Safety instructions APD enclosures	13	1	08/02/2021
I PROG 40.00	Safety instructions ADN enclosures	13	-	13/01/2021
Q20455	Assembly drawing EKO enclosures	1	0	28/01/2016
Q20454	Assembly drawing APD enclosures	1	0	28/01/2016
9SAMI00039	Assembly drawing ADN enclosures	1	0	06/10/2020
9SAMI00032	Assembly drawing ADN enclosures (flange version)	1	0	05/10/2020

One copy of all documents is kept in TÜV Italia files.

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