






EC-Type Examination Certificate

- (1)
- (2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 94/9/EC)**

(3) EC-Type Examination Certificate Number:

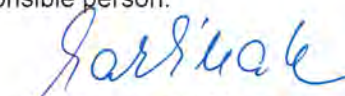
FTZÚ 13 ATEX 0201U

- (4) Component: **Empty enclosures, types R...; RI...; RJ...; RO...; ROI...; ROJ...; SRI...; SROI**
- (5) Manufacturer: **RIBCO s.r.l**
- (6) Address: **VIA DEI MILLE, 12-20061 – CARUGATE (MI), Italy**
- (7) This Component and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) The Physical Technical Testing Institute, notified body number 1026 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential Report N°:
13/0201 dated 26.02.2014
- (9) Compliance with Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012 EN 60079-1:2007 EN 60079-31:2009
- (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 EC-TYPE EXAMINATION CERTIFICATE relates only to design, examination and testing of the specified component in accordance to the Directive 94/9/EC. If applicable, further requirements of the Directive apply to the manufacture and supply of this component.
- (12) The marking of the component shall include the following:

 **II 2G Ex d IIC Gb**  **II 2D Ex tb IIIC Db**
 **I M2 Ex d I Mb (stainless steel, Brass variants)**

This EC-Type Examination Certificate is valid till: **26.02.2019**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 26.02.2014

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Physical Technical Testing Institute
Ostrava – Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 13 ATEX 0201U**

(15) Description of Component:

The empty enclosures types R...; RI...; RJ...; RO...; ROI...; ROJ...; SRI...; SROI are aluminium, brass or stainless steel enclosures with threaded cover with or without sight glass. Enclosure can be alternatively prolonged by threaded extension. Extension and cover are locked by screws with hex socket and are sealed with o-rings. Enclosure is equipped with 1 to 5 NPT or Metric threaded holes.

Routine overpressure tests are not required for types: R...; RI...; RJ...

Technical specification:

Degree of protection: IP66
Service temperature: -40°C + 110°C with EPDM O-ring
-50°C + 160°C with Silicone O-ring

Type designation:

(a) (b) (c) (d)

(a) – Type: R* Aluminium enclosure without sight glass
R*I stainless steel enclosure without sight glass;
R*J brass enclosure without sight glass
RO* Aluminium enclosure with sight glass
RO*I stainless steel enclosure with sight glass;
RO*J brass enclosure with sight glass
SR*I stainless steel enclosure without sight glass, with soldered threaded hole
SRO*I stainless steel enclosure with sight glass, with soldered threaded hole

* Number and position of threaded holes – A; B; C; L; D;M;T;W;X;XA

(b) – Dimension of cable entries

1 – 1/2" NPT	20 – M20x1.5
2 – 3/4" NPT	25 – M25x1.5
3 – 1" NPT	32 – M32x1.5
4 – 1.1/4" NPT	40 – M40x1.5
5 – 1.1/2" NPT	50 – M50x1.5
6 – 2" NPT	63 – M63x1.5
K – Mixed	

(c) Size of the enclosure – 4; 6; 6A; 7; 8; 9

(d) – Internal height of enclosure.

Responsible person:


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Head of Certification Body



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tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz



Physical Technical Testing Institute
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(14) **EC-Type Examination Certificate N° FTZÚ 13 ATEX 0201U**

(16) Report No.: 13/0201


(17) Schedule of Limitations:

- 17.1 Maximum numbers of holes, their size and position are given in manual No. IS-CROI-00 and IS-CRO-00.
- 17.2 A circuit breakers or contactors containing oil filling and apparatus producing turbulences are not allowed to be installed inside of the enclosure.
- 17.3 The empty enclosure can be used for electrical equipment designed for ambient temperature not exceed range from $-40^{\circ}\text{C} + 85^{\circ}\text{C}$ (with EPDM O-ring) and $-50^{\circ}\text{C} + 85^{\circ}\text{C}$ (with silicone O-ring).
- 17.4 Apparatus installed inside of enclosure can has any lay-out, which ensures, that in any cross-section area will be at least 40% of area free.
- 17.5 Service temperature range for sight glass is from -50°C to $+160^{\circ}\text{C}$. Service temperature for EPDM O-ring is from -40°C to $+110^{\circ}\text{C}$ and service temperature for Silicone O-ring is from -50°C to $+160^{\circ}\text{C}$.
- 17.6 Appropriate certify cable glands for direct entry has to be used.
- 17.7 Mechanical resistance for types RJ..., ROJ... matches to low risk of mechanical danger, for component group I.
- 17.8 Component must be installed to avoid a risk from propagating brush discharges.

(18) Essential Health and Safety Requirements:

They are included in standards, which are mentioned in clause (9) of this certificate. The product was approved in accordance with above mentioned standards.

Responsible person:


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Head of Certification Body



Date of issue: 26.02.2014

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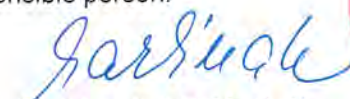
Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 13 ATEX 0201U**

(19) List of Documentation:

<i>Document No.:</i>	<i>Date:</i>
1025 Rev.0	21.08.2013
1026 Rev.0	21.08.2013
1027 Rev.0	21.08.2013
1028 Rev.0	21.08.2013
1029 Rev.0	21.08.2013
1030 Rev.0	21.08.2013
1031 Rev.0	21.08.2013
1032 Rev.0	21.08.2013
1033 Rev.0	21.08.2013
1034 Rev.0	21.08.2013
1035 Rev.0	21.03.2013
1036 Rev.0	21.08.2013
1037 Rev.0	21.08.2013
1038 Rev.0	21.08.2013
1039 Rev.0	21.08.2013
1040 Rev.0	21.08.2013
1041 Rev.0	21.08.2013
1042 Rev.0	21.08.2013
1043 Rev.0	21.08.2013
1044 Rev.0	15.03.2013
1048 Rev.0	21.08.2013
IS-CRO-00 Rev.0	21.08.2013
IS-CROI-00 Rev.0	21.08.2013

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(1) **Supplement No. 1 to
EC-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC**

(3) EC-Type Examination Certificate Number:

FTZÚ 13 ATEX 0201U

(4) Component: **Empty enclosures, types R...; RI...; RJ...; RO...; ROI...; ROJ...; SRI...;
SROI; EMH90***

(5) Manufacturer: **RIBCO s.r.l**

(6) Address: **VIA DEI MILLE, 12-20061 – CARUGATE (MI), Italy**

(7) This supplement of certificate is valid for: - extension of type series

(8) Modification of certified component and any of its approved variants are specified in documentation, a list of which is mentioned in the schedule of this certificate.

(9) This supplement to type examination relates only to design, examination and testing of the specified component in accordance to the directive 94/9/EC. If applicable, further requirements of the Directive apply to the manufacture and supply of this component.

(10) Safety requirements of modified parts were fulfilled by satisfying of following standards:

EN 60079-0:2012, EN 60079-1:2007, EN 60079-31:2009

(11) Marking of component shall contain symbols:

II 2G Ex d IIC Gb

II 2D Ex tb IIIC Db

I M2 Ex d I Mb (stainless steel, Brass variants)

(12) This type examination certificate is valid till: **26.02.2019**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 30.06.2014

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Physical Technical Testing Institute
Ostrava-Radvanice

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(14)

Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 13 ATEX 0201U

(15) Description of Component:

The object of this supplement is as follow:

Extension of empty type series enclosure by aluminium enclosure with threaded cover with sight glass type EMH90*. Enclosure is equipped with one Metric M25x1,5 (type EMH90M) threaded entry or with one 3/4" NPT threaded entry (type EMH90N).

Technical specification of enclosure type EMH90N:

Degree of protection: IP66

Service temperature: -40°C ÷ 110°C with EPDM O-ring
-50°C ÷ 160°C with Silicone O-ring

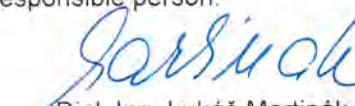
Construction and technical parameters of enclosures types R..., RI..., RJ..., RO..., ROI..., ROJ..., SRI..., SROI remain unchanged.

(16) Report No. 13/0201-1 dated 30.06.2014

(17) Schedule of limitations:

- 17.1 Maximum numbers of holes, their size and position are given in manual No. IS-CROI-00, IS-CRO-00 and IS-CEMH-00.
- 17.2 A circuit breakers or contactors containing oil filling and apparatus producing turbulences are not allowed to be installed inside of the enclosure.
- 17.3 The empty enclosure can be used for electrical equipment designed for ambient temperature not exceed range from -40°C ÷ 85°C (with EPDM O-ring) and -50°C ÷ 85°C (with silicone O-ring).
- 17.4 Apparatus installed inside of enclosure can has any lay-out, which ensures, that in any cross-section area will be at least 40% of area free.
- 17.5 Range for sight glass is from -50°C to +160°C. Service temperature for EPDM o-ring is from -40°C to +110°C and service temperature for Silicone O-ring is from -50°C to +160°C.
- 17.6 Appropriate certify cable glands for direct entry has to be used
- 17.7 Mechanical resistance for types RJ..., ROJ... matches to low risk of mechanical danger, for component group I.
- 17.8 Component must be installed to avoid a risk from propagating brush discharges.

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Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 13 ATEX 0201U

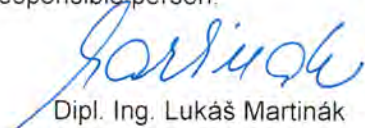
(18) Essential Health and Safety Requirements.

They are included in standards, which are mentioned in clause (10) of this supplement. The product was approved in accordance with above mentioned standards.

(19) LIST OF DOCUMENTATION

<i>Document No.:</i>	<i>Date:</i>
IS-CEMH-00 Rev.00	14.05.2014
1047 Rev0	22.01.2014
1048 Rev1	14.05.2014

Responsible person:


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