





(1) **EU-TYPE EXAMINATION CERTIFICATE**  
(Translation)

- (2) Equipment or Protective Systems Intended for Use in  
Potentially Explosive Atmospheres - **Directive 2014/34/EU**
- (3) EU-Type Examination Certificate Number:  
**PTB 07 ATEX 1061 X** **Issue: 3**
- (4) Product: Field Junction Box System Type F.\*\*\*.\*\*\*.(A, G)\*\*.\*.\*.\*\*\*.\*\*\*.\*\*\* and  
F.\*\*\*.\*\*\* (A, G)\*\*.\*.\*.\*\*\*-Yxxxxxx
- (5) Manufacturer: Pepperl+Fuchs SE
- (6) Address: Lilienthalstraße 200, 68307 Mannheim, Germany
- (7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 17 of the 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 the confidential Test Report PTB Ex 24-14003.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
EN IEC 60079-0:2018/AC:2020-02, EN 60079-1:2014/AC:2018,  
EN IEC 60079-7:2015/A1:2018, EN 60079-11:2012, EN 60079-18:2015/Cor. 2018,  
EN 60079-31:2014
- (10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. 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 2 (1) G Ex db eb ia/ib mb [ia Ga/ib] IIA/IIB/IIC T6...T4 Gb**
-  **II 2 (1) D Ex tb [ia Da/ib] IIIA/IIIB/IIIC 85°C...135°C Db**

Konformitätsbewertungsstelle, Sektor Explosionsschutz Braunschweig, September 30, 2024  
On behalf of PTB:

Dr.-Ing. D. Markus  
Direktor und Professor



(13)

## SCHEDULE

(14) **EU-Type Examination Certificate Number PTB 07 ATEX 1061 X, Issue:3**

(15) Description of Product

The Field Junction Box System Type F.\*\*\*.\*\*\*.(A, G)\*\*.\*.\*\*\*.\*\*\*.\*\*\* and F.\*\*\*.\*\*\*.(A, G)\*\*.\*.\*\*\*-Y##### consists of separately certified enclosures of type of protection increased safety "e" and protection by enclosure "t". The enclosures are equipped with separately certified electronic components and terminals in the type of protection db, eb, ia, ib and mb.

### Technical data

$-50^{\circ}\text{C} < T_a < +70^{\circ}\text{C}$

The temperature range can be limited by the maximum permitted temperature range of the used equipment.

Ingress protection is IP54 up to IP69.

The electrical ratings depend on the connected devices. In casual use the Field Junction Box is sourced by a fieldbus.

The composition of the explosion protection marking is carried out acc. to the types of protection of the used components. Therefore, types of protection, which are not used, do not appear.

#### Main circuits:

Rated voltage	max.	253 V
Rated current	max.	16 A
Rated cross-section	max.	4 mm <sup>2</sup>

#### Auxiliary circuits:

Rated voltage	max.	100 V
Rated current	max.	15 A
Rated cross-section	max.	4 mm <sup>2</sup>

#### Casual solutions:

Rated voltage	max.	9 - 31 V DC
Rated current	max.	4,5 A
Rated cross-section	max.	2,5 mm <sup>2</sup>

**SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 07 ATEX 1061 X, Issue:3**

Nomenclature F.\*\*\*.\*\*\*.(A, G) \*\*.\*.\*\*\*.\*\*\*.\*\*\*\*

F.	aaa.	bbb.	c	dd.	e.	f.	ggg.	hhh.	k	l	m	n
1	2	3	4	5	6	7	8	9	10	11	12	13

1. F = Field Junction Box System
2. Electronic type, device family
3. Type and size of enclosure
4. Ex-certification (A = ATEX , G = ATEX/IECEX)
5. Number of output channels or terminals
6. Fieldbus type
7. Type of used terminals
8. Type of cable glands for trunks (input)
9. Type of cable glands for spurs (output)
10. Type of tag plate
11. Type of Screen bar
12. Type of surge protection
13. Additional accessories

Nomenclature F.\*\*\*.\*\*\*.(A, G) \*\*.\*.\*\*\*.\*\*\*\*-Y#####

F.	aaa.	bbb	c	dd.	e.	f.	k	l	m	n	Y*****
1	2	3	4	5	6	7	8	9	10	11	12

1. F = Field Junction Box System
2. Electronic type, device family
3. Type and size of enclosure
4. Ex-certification (A = ATEX, G = ATEX/IECEX)
5. Number of output channels or terminals
6. Fieldbus type
7. Type of used terminals
8. Type of tag plate
9. Type of Screen bar
10. Type of surge protection
11. Additional accessories
12. Product number

ZSEx001e d

## SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 07 ATEX 1061 X, Issue:3

### Changes with respect to previous editions

- Update of the manufacturer locations
- Update of the Typecode

(16) Test Report PTB Ex 24-14003

(17) Specific conditions of use

1. The Field Junction Box consists of separately certified components and equipment. Therefore, components or equipment can be used which have special conditions of use. These are specified in the respective individual certificates of components. In individual cases it may be necessary to inform the end user about certain special conditions of the components as part of the instructions manual or as warning on the enclosure.
2. The empty enclosure with a coating must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.

(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.