



Product Service

(1) EU-Type Examination Certificate

TRANSLATION

- (2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 2014/34/EU**
- (3) Number of Certificate of EU-Type Examination:

TPS 21 ATEX 062486 0017 X

Issue 00



- (4) Equipment: Electric strike
Type: EX118R/Ex138R
- (5) Manufacturer: ASSA ABLOY Sicherheitstechnik GmbH
- (6) Address: Bildstockstr. 20
72458 Albstadt
- (7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) TÜV SÜD Product Service GmbH, notified body No. 0123 in accordance with Article 17 of the Council 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 and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive.
The examination and test results are recorded in the confidential report 713192436.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018**EN 60079-11:2012**

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacturer and supply of this equipment.
- (12) The marking of the equipment shall include the following:

**II 2G Ex ib IIB T4 Gb****II 2D Ex ib IIIC T95°C Db**

Certification body Explosion Protection
Ridlerstraße 65, 80339 Munich

Munich, 12.04.2021

Stefan Vierbücher

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EU-Type Examination Certificate without signature shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by TÜV SÜD Product Service GmbH. In case of dispute, the German text shall prevail.

The document is internally administrated under the following number: E5XA 062486 0017 Rev. 00

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstrasse 65 • 80339 Munich • Germany



Product Service

(13)

Schedule

(14) **EU-Type Examination Certificate TPS 21 ATEX 062486 0017 X** Issue 00

(15) Description of equipment:

The intrinsically safe apparatus EX118R/EX138R is an electric strike for use in hazardous areas with potentially explosive gas or dust atmospheres. The device is designed for use in zone 1 or 2, as well as zone 21 or 22 with an ignition energy of more than 3 mJ. It is designed in type of protection "ib".

The coil of the electric strike and the contact switch form two independent intrinsically safe circuits. To operate the EX118R/EX138R, for each circuit a corresponding intrinsically safe apparatus is required.

The ATEX electric strike EX118R is suitable for use in fire doors.

Technical specification:

Intrinsically safe parameters

(Connection electric strike)

U_i	15,6	V
I_i	160	mA
P_i	2,5	W
C_i	negligible	
L_i	negligible	

(Contact switch)

U_i	10	V
I_i	400	mA
P_i	48	mW
C_i	negligible	
L_i	negligible	

with 10 m connection cable

C_c	0,77	nF
L_c	6,8	μH

with 25 m connection cable

C_c	1,93	nF
L_c	17	μH

Insulation voltage

between the two intrinsically safe circuits

500 VAC

between enclosure and any of the two intrinsically safe circuits

500 VAC

Ambient temperature

$-20\text{ °C} \leq T_a \leq +50\text{ °C}$



Product Service

Types

EX118R	Fail Secure, the door is locked, if unpowered
EX138R	Fail Safe, the door is unlocked, if unpowered

The following models differ in their mechanical design regarding fastening and closing, which does not affect explosion protection.

EX118R, EX11820, EX11823, EX11824, EX118VR
EX138R, EX13820, EX13823, EX13824, EX138VR

- (16) Test report: 713192436
- (17) Special conditions for safe use:
- a) Extended ambient temperature (refer to technical specification)
 - b) The connection area covered with the white encapsulation must be checked for damage before installation and at every maintenance. The device may only be used if the encapsulation is intact
 - c) Ensure that the device is not exposed to UV radiation during storage
- (18) Essential health and safety requirements:
met by standards