

# 1 EU-TYPE EXAMINATION CERTIFICATE



2 Component intended for use in Potentially  
Explosive Atmospheres - Directive 2014/34/EU

3 EU-Type Examination Certificate No: FM19ATEX0191U

4 Component: Series 8530  
(Type Reference and Name) Explosion-Protected Circuit Protection Devices:  
MCBs, RCCBs, and RCBOs

5 Name of Applicant: R. STAHL Schaltgeräte GmbH

6 Address of Applicant: Am Bahnhof 30  
74638 Waldenburg  
GERMANY

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

8 FM Approvals Europe Ltd, notified body number 2809 in accordance with Article 17 of Directive 2014/34/EU of 26<sup>th</sup> February, 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number:

PR451407 dated 15<sup>th</sup> January 2020

9 Compliance with the Essential Health and Safety Requirements, with the exception of those identified in item 15 of the schedule to this certificate, has been assessed by compliance with the following documents:

EN IEC 60079-0:2018; EN 60079-1:2014 and EN 60079-7:2015+A1:2018

10 The sign 'U' placed after the certificate number indicates that this certificate must not be mistaken for a certificate for equipment or a protective system. This certificate may only be used as the basis for the certification of equipment or a protective system.

11 This EU-Type Examination certificate relates only to the design, examination and tests of the specified component in accordance to the directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

12 The marking of the component shall include:



II 2G Ex db eb IIC Gb  
-25 °C ≤ Ts ≤ +110 °C



Digitally signed by Damien Mc Ardle  
DN: cn=Damien Mc Ardle, o=FM Approvals, ou=FM Approvals Europe Ltd, email=damien.mcardle@fmapprovals.com, c=IE  
Date: 2020.01.17 18:26:09 Z

Member of the FM Global Group

**Damien Mc Ardle**  
Certification Manager, FM Approvals Europe Ltd.

Issue date: 17<sup>th</sup> January 2020

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# SCHEDULE

to EU-Type Examination Certificate No. FM19ATEX0191U

**13 Description of Component:**

The Series 8530 is a series of explosion-protected circuit protection devices. These devices can be Explosion protected Miniature Circuit Breakers (MCB), which are branch circuit protective devices for circuits feeding either resistive or inductive loads like lighting, motors, transformers, cables and other loads with high inrush current for use in hazardous (classified) locations. The series 8530 is also used as a ground fault interrupting device, such as Explosion Protected Residual Current Circuit Breakers (RCCB). The RCCB, while often referred to as a Circuit Breaker, does not incorporate an overcurrent feature. The version of the ground fault interrupting device with an overcurrent protection is the Explosion Protected Residual Current Breaker with Overload (RCBO).

Ratings:

- ≤ 690 V AC; 0.5 A...63 A; 1-Pole, 1-Pole + Neutral, 2-Pole, and 3-Pole MCB
- ≤ 500 V AC; 4 A...63 A; 1-Pole + Neutral or 2-Pole RCCB
- ≤ 500 V AC; 16 A...63 A; 1-Pole + Neutral or 2-Pole RCBO

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See Annex A for the Type Code details.

**14 Schedule of Limitations:**

See Annex A for Schedule of Limitations for each Type Series.

**15 Essential Health and Safety Requirements:**

The relevant EHSRs that have not been addressed by the standards listed in this certificate have been identified and assessed in the confidential report identified in item 8.

**16 Test and Assessment Procedure and Conditions:**

This EU-Type Examination Certificate is the result of testing of a sample of the product submitted, in accordance with the provisions of the relevant specific standard(s), and assessment of supporting documentation. It does not imply an assessment of the whole production.

Whilst this certificate may be used in support of a manufacturer's claim, FM Approvals Europe Ltd accepts no responsibility for the compliance of the component against all applicable Directives in all applications.

This Certificate has been issued in accordance with FM Approvals Europe Ltd's ATEX Certification Scheme.

**17 Schedule Drawings**

A list of the significant parts of the technical documentation is annexed to this certificate and a copy has been kept by the Notified Body.

**18 Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
17 <sup>th</sup> January 2020	Original Issue.

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

# **ANNEX A**

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## **8530/1 MCB**

### **8530/1-MCB-STA06d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

#### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 56 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

### **8530/1-MCB-STA10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

#### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.

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4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 56 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STA15d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i = Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 56 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STA25d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.

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- i - Housing size 3.

## **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 56 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-DCA10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

$-25\text{ °C} \leq T_s \leq +110\text{ °C}$

- d = Poles 1, 1N, 2, or 3  
e = Tripping characteristic B, C, D, K, or Z.  
f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.  
g = Accessories 0, 1, 2, 3, 4, 5, or 6.  
h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.  
i - Housing size 3.

## **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 56 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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## **8530/1-MCB-NAA10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 56 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STG06d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.

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6. The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STG10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STG15d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

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1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STG25d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

$-25\text{ °C} \leq T_s \leq +110\text{ °C}$

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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## **8530/1-MCB-DCG10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-NAG10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.

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- The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
- The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
- The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-NDG10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

- This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
- Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
- The flameproof enclosure cannot be repaired.
- The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
- For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
- The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
- The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
- The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STS06d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

# **ANNEX A**

to EU-Type Examination Certificate No. FM19ATEX0191U



1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STS10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

$-25\text{ °C} \leq T_s \leq +110\text{ °C}$

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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# **ANNEX A**

to EU-Type Examination Certificate No. FM19ATEX0191U



## **8530/1-MCB-STS15d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STS25d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**



# ANNEX A



to EU-Type Examination Certificate No. FM19ATEX0191U

5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-DCS10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- 
- d = Poles 1, 1N, 2, or 3
  - e = Tripping characteristic B, C, D, K, or Z.
  - f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
  - g = Accessories 0, 1, 2, 3, 4, 5, or 6.
  - h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
  - i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-NAS10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- 
- d = Poles 1, 1N, 2, or 3
  - e = Tripping characteristic B, C, D, K, or Z.
  - f = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
  - g = Accessories 0, 1, 2, 3, 4, 5, or 6.
  - h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
  - i - Housing size 3.

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# **ANNEX A**

to EU-Type Examination Certificate No. FM19ATEX0191U



## **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 45 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STA06d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

$-25\text{ °C} \leq T_s \leq +110\text{ °C}$

- d = Poles 1, 1N, 2, or 3  
e = Tripping characteristic B, C, D, K, or Z.  
f = Nominal current 50 or 63.  
g = Accessories 0, 1, 2, 3, 4, 5, or 6.  
h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.  
i - Housing size 3.

## **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 59 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 59 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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# **ANNEX A**

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## **8530/1-MCB-STA10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 59 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 59 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STA15d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 59 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.

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# ANNEX A



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6. The maximum rise of this MCB enclosure is 59 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STA25d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 59 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 59 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-DCA10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

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# **ANNEX A**

to EU-Type Examination Certificate No. FM19ATEX0191U



## **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 59 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 59 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-NAA10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

$-25\text{ °C} \leq T_s \leq +110\text{ °C}$

- d = Poles 1, 1N, 2, or 3  
e = Tripping characteristic B, C, D, K, or Z.  
f = Nominal current 50 or 63.  
g = Accessories 0, 1, 2, 3, 4, 5, or 6.  
h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.  
i - Housing size 3.

## **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 59 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 59 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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# **ANNEX A**

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## **8530/1-MCB-STG06d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STG10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.

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# ANNEX A



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6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STG15d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STG25d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

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# **ANNEX A**

to EU-Type Examination Certificate No. FM19ATEX0191U



1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-DCG10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

$-25\text{ °C} \leq T_s \leq +110\text{ °C}$

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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to EU-Type Examination Certificate No. FM19ATEX0191U



## **8530/1-MCB-NAG10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-NDG10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.

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6. The maximum rise of this MCB enclosure is 47 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 55 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STS06d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 43 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 52 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-STS10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

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1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 43 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 52 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-ST515d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

$-25\text{ °C} \leq T_s \leq +110\text{ °C}$

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 43 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 52 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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# **ANNEX A**

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## **8530/1-MCB-STS25d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this MCB enclosure is 43 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this MCB for the determination of temperature class is 52 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-DCS10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3
- e = Tripping characteristic B, C, D, K, or Z.
- f = Nominal current 50 or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.

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- The maximum rise of this MCB enclosure is 43 K with a limiting temperature in the final application of 110 °C.
- The maximum rise of this MCB for the determination of temperature class is 52 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
- The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-MCB-NAS10d-ef-gh-i. Explosion Protected Circuit Breaker.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- d = Poles 1, 1N, 2, or 3  
e = Tripping characteristic B, C, D, K, or Z.  
f = Nominal current 50 or 63.  
g = Accessories 0, 1, 2, 3, 4, 5, or 6.  
h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.  
i - Housing size 3.

### **Schedule of Limitations:**

- This Series 8530/1-MCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
- Field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
- The flameproof enclosure cannot be repaired.
- The Series 8530/1-MCB shall be protected from exposure to ultraviolet light.
- For EPL Gb applications, the Series 8530/1-MCB shall be installed in an increased safety "eb" enclosure.
- The maximum rise of this MCB enclosure is 43 K with a limiting temperature in the final application of 110 °C.
- The maximum rise of this MCB for the determination of temperature class is 52 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
- The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1 RCCB**

### **8530/1-RCCB-STAcc-e-f-gh-i. Explosion Protected Ground Fault Equipment Protector (GFEP).**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A, AS, AP, A110V, B, BS, B+, or F.  
d = Poles 1N or 2  
e = Sensitivity 10, 30, 100, 300, or 500.  
f = Nominal current 16, 25, 40, or 63.  
g = Accessories 0, 1, 2, 3, 4, 5, or 6.

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- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.  
i - Housing size 3.

## **Schedule of Limitations:**

1. This Series 8530/1-RCCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 35 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 100 A.
7. The maximum rise of this RCCB enclosure is 35 K with a limiting temperature in the final application of 110 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 42 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-RCCB-STGcd-e-f-gh-i. Explosion Protected Ground Fault Equipment Protector (GFEP).**

FM19ATEX0191U  
II 2G Ex db eb IIC Gb  
 $-25\text{ °C} \leq T_s \leq +110\text{ °C}$

- c = Switching type A, B, or F.  
d = Poles 1N or 2  
e = Sensitivity 10, 30, 100, 300, or 500.  
f = Nominal current 16, 25, 40, or 63.  
g = Accessories 0, 1, 2, 3, 4, 5, or 6.  
h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.  
i - Housing size 3.

## **Schedule of Limitations:**

1. This Series 8530/1-RCCB has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 63 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 63 K with a limiting temperature in the final application of 110 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 80 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.

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9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-RCCB-STScd-e-f-gh-i. Explosion Protected Ground Fault Equipment Protector (GFEP).**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A, AS, AP, B, BS, B+, or F.
- d = Poles 1N or 2
- e = Sensitivity 10, 30, 100, 300, or 500.
- f = Nominal current 16, 25, 40, or 63.
- g = Accessories 0, 1, 2, 3, 4, 5, or 6.
- h = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- i = Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCCB has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCCB shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCCB shall be installed in an increased safety "eb" enclosure.
6. The Series 8530/1-RCCB shall be protected by Gg fuses rated not greater than 80 A.
7. The maximum rise of this RCCB enclosure is 38 K with a limiting temperature in the final application of 110 °C.
8. The maximum rise of this RCCB for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
9. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1 RCBO**

### **8530/1-RCBO-STAc06e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A, AP, AS, or F.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.

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k - Housing size 3.

## **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 45 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-RCBO-STAc06e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

$-25\text{ °C} \leq T_s \leq +110\text{ °C}$

- c = Switching type A, AP, AS, or F.  
e = Poles 1N or 2.  
f = Sensitivity 10, 30, 300, or 500.  
g = Tripping characteristic B, C, D, K, or Z.  
h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, or 32.  
i = Accessories 0, 1, 2, 3, 4, 5, or 6.  
j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.  
k - Housing size 3.

## **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of  $-25\text{ °C} \leq T_s \leq +110\text{ °C}$ .
2. Field wiring conductors shall be rated not less than 33 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 33 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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## **8530/1-RCBO-STAc10e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A, AP, AS, or F.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 45 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-RCBO-STAc10e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A, AP, AS, or F.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, or 32.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.

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2. Field wiring conductors shall be rated not less than 33 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 33 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-RCBO-STAc15e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A, or AS.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 45 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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## **8530/1-RCBO-STAc15e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A, or AS.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, or 32.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 33 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 33 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-RCBO-STAc25e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A, or AS.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.

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2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 45 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-RCBO-STAc25e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A, or AS.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, or 32.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 33 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 33 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 38 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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## **8530/1-RCBO-STGc06e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A or AS.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 43 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 51 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-RCBO-STGc06e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A or AS.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, or 32.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.

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2. Field wiring conductors shall be rated not less than 26 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 26 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 29 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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## **8530/1-RCBO-STGc10e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb  
-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A or AS.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

- 
1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
  2. Field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
  3. The flameproof enclosure cannot be repaired.
  4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
  5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
  6. The maximum rise of this RCBO enclosure is 43 K with a limiting temperature in the final application of 110 °C.
  7. The maximum rise of this RCBO for the determination of temperature class is 51 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
  8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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## **8530/1-RCBO-STGc10e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A or AS.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, or 32.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 26 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 26 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 29 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-RCBO-STGc15e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A or AS.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.

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2. Field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 43 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 51 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-RCBO-STGc15e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A or AS.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, or 32.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 26 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 26 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 29 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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## **8530/1-RCBO-STGc25e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A or AS.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 43 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 51 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-RCBO-STGc25e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A or AS.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, or 32.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.

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2. Field wiring conductors shall be rated not less than 26 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 26 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 29 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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## **8530/1-RCBO-STSc06e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A, AP, or F.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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## **8530/1-RCBO-STGc10e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A or AS.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.
2. Field wiring conductors shall be rated not less than 43 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 43 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 51 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

## **8530/1-RCBO-STSc10e-f-gh-ij-k. Explosion Protected Ground Fault Equipment Protector (GFEP) with integral Overcurrent Protection.**

FM19ATEX0191U

II 2G Ex db eb IIC Gb

-25 °C ≤ Ts ≤ +110 °C

- c = Switching type A, AS, or F.
- e = Poles 1N or 2.
- f = Sensitivity 10, 30, 300, or 500.
- g = Tripping characteristic B, C, D, K, or Z.
- h = Nominal current 0.5, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, or 40.
- i = Accessories 0, 1, 2, 3, 4, 5, or 6.
- j = Accessories 00, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 40, 41, 42, 43, 44, 45, or 46.
- k - Housing size 3.

### **Schedule of Limitations:**

1. This Series 8530/1-RCBO has a service temperature range of -25 °C ≤ Ts ≤ +110 °C.

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

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## **ANNEX A**

to EU-Type Examination Certificate No. FM19ATEX0191U



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2. Field wiring conductors shall be rated not less than 38 K above the surrounding air temperature.
3. The flameproof enclosure cannot be repaired.
4. The Series 8530/1-RCBO shall be protected from exposure to ultraviolet light.
5. For EPL Gb applications, the Series 8530/1-RCBO shall be installed in an increased safety "eb" enclosure.
6. The maximum rise of this RCBO enclosure is 38 K with a limiting temperature in the final application of 110 °C.
7. The maximum rise of this RCBO for the determination of temperature class is 49 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
8. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

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## **Blueprint Report**

***R STAHL SCHALTGERAETE GmbH (1000000917)***

**Class No 3619**

**Original Project I.D. 451374**

**Certificate I.D. FM19ATEX0191U**

<u>Drawing No.</u>	<u>Revision Level</u>	<u>Drawing Title</u>	<u>Last Report</u>	<u>Electronic Drawing</u>
8530 0 000 006 0 01		Series 8530 Enclosure Description	PR451407	Yes (pdf)
8530 0 000 008 0 00		Series 8530 Description	PR451407	Yes (pdf)
8530 0 000 009 0 00		Series 8530 General Arrangement	PR451407	Yes (pdf)
8530 0 000 010 0 00		Series 8530 Label Details	PR451407	Yes (pdf)
8530 0 000 017 0 00		Series 8530 IOM Required Information	PR451407	Yes (pdf)
8530 6 086 001 0 00		Series 8530 Testing Procedure	PR451407	Yes (msw15)