



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX FMG 22.0005U** Page 1 of 4 [Certificate history:](#)
Issue 0 (2022-06-15)

Status: **Current** Issue No: 1

Date of Issue: 2023-06-04

Applicant: **R STAHL Schaltgeraete GmbH**
Am Bahnhof 30
Waldenburg
Germany

Ex Component: Series 8550 Explosion-Protected Circuit Protection Devices

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Flameproof "db; Increased Safety "eb"**

Marking: Ex db eb IIC (IIB) Gb

Approved for issue on behalf of the IECEx
Certification Body:

J. E. Marquedant

Position:

VP, Manager - Electrical Systems

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

FM Approvals LLC
1151 Boston-Providence Turnpike
Norwood, MA 02062
United States of America





IECEX Certificate of Conformity

Certificate No.: **IECEX FMG 22.0005U**

Page 2 of 4

Date of issue: 2023-06-04

Issue No: 1

Manufacturer: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg
Germany

Manufacturing locations: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg
Germany

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The component and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[US/FMG/ExTR22.0004/00](#)

[US/FMG/ExTR22.0004/01](#)

Quality Assessment Report:

[DE/BVS/QAR10.0002/18](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX FMG 22.0005U**

Page 3 of 4

Date of issue: 2023-06-04

Issue No: 1

Ex Component(s) covered by this certificate is described below:

Series 8550 Explosion-Protected Circuit Protection Devices - See Annex A for details

SCHEDULE OF LIMITATIONS:

Series 8550 Explosion-Protected Circuit Protection Devices - See Annex A for details



IECEX Certificate of Conformity

Certificate No.: **IECEX FMG 22.0005U**

Page 4 of 4

Date of issue: 2023-06-04

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Addition of 8550/1-MCS Molded Case Switch

Annex:

[IECEX-FMG-22-0005U-Annex A-01_1.pdf](#)

8550/1-MCCB-GLS3-TM-e-f-g-h-i. Explosion Protected Circuit Breaker.

IECEx FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

- e = Nominal current; 015, 020, 025, 030, 035, 040, 045, 050, or 060.
- f = Terminal size; 10, 25, or 95.
- g = Alarm or auxiliary contacts; 000, AS1, AS2, AS3, AS4, AS5, AS6, or FS3.
- h = Alarm or auxiliary contacts; 000, FS1, FS2, FS3, AS1, AS2, AS3, AS4, AS5, or AS6.
- i = Undervoltage release or Shunt trip; 0000, U01S, U02S, U03S, U04S, U05S, U06S, U07S, U08S, U09S, S01S, S02S, S03S, S04S, S05S, S06S, S07S, S08S, S09S, S10S, S11S, or S12S.

Schedule of Limitations:

1. Rated 415 VAC, 690 VAC, 250 VDC.
2. This Series 8550/1-MCCB has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 30 A application, field wiring conductors shall be rated not less than 14 K above the surrounding air temperature.
4. In a 60 A application, field wiring conductors shall be rated not less than 45 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
7. For EPL Gb applications, this Series 8550/1-MCCB shall be installed in an increased safety "eb" enclosure.
8. In a 30 A application, the maximum rise of this MCCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
9. In a 60 A application, the maximum rise of this MCCB enclosure is 19 K with a limiting temperature in the final application of 110 °C.
10. In a 30 A application, the maximum rise of this MCCB for the determination of temperature class is 24 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 60 A application, the maximum rise of this MCCB 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.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes at 415 VAC and 250 VDC
13. The maximum available fault current shall not exceed 5 000 symmetrical amperes at 690 VAC.

8550/1-MCCB-GLS3-TM-e-f-g-h-i. Explosion Protected Circuit Breaker.

IECEX FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

- e = Nominal current; 070, 080, 090, or 100.
- f = Terminal size; 10, 25, or 95.
- g = Alarm or auxiliary contacts; 000, AS1, AS2, AS3, AS4, AS5, AS6, or FS3.
- h = Alarm or auxiliary contacts; 000, FS1, FS2, FS3, AS1, AS2, AS3, AS4, AS5, or AS6.
- i = Undervoltage release or Shunt trip; 0000, U01S, U02S, U03S, U04S, U05S, U06S, U07S, U08S, U09S, S01S, S02S, S03S, S04S, S05S, S06S, S07S, S08S, S09S, S10S, S11S, or S12S.

Schedule of Limitations:

1. Rated 415 VAC, 690 VAC, 250 VDC.
2. This Series 8550/1-MCCB has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 50 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
4. In a 100 A application, field wiring conductors shall be rated not less than 41 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
7. For EPL Gb applications, this Series 8550/1-MCCB shall be installed in an increased safety "eb" enclosure.
8. In a 50 A application, the maximum rise of this MCCB enclosure is 7 K with a limiting temperature in the final application of 110 °C.
9. In a 100 A application, the maximum rise of this MCCB enclosure is 20 K with a limiting temperature in the final application of 110 °C.
10. In a 50 A application, the maximum rise of this MCCB for the determination of temperature class is 22 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 100 A application, the maximum rise of this MCCB for the determination of temperature class is 47 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes at 415 VAC and 250 VDC
13. The maximum available fault current shall not exceed 5 000 symmetrical amperes at 690 VAC.

8550/1-MCCB-GLS3-TM-e-f-g-h-i. Explosion Protected Circuit Breaker.

IECEX FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

- e = Nominal current; 110 or 125.
- f = Terminal size; 10, 25, or 95.
- g = Alarm or auxiliary contacts; 000, AS1, AS2, AS3, AS4, AS5, AS6, or FS3.
- h = Alarm or auxiliary contacts; 000, FS1, FS2, FS3, AS1, AS2, AS3, AS4, AS5, or AS6.
- i = Undervoltage release or Shunt trip; 0000, U01S, U02S, U03S, U04S, U05S, U06S, U07S, U08S, U09S, S01S, S02S, S03S, S04S, S05S, S06S, S07S, S08S, S09S, S10S, S11S, or S12S.

Schedule of Limitations:

1. Rated 415Y/240 VAC and 250 VDC.
2. This Series 8550/1-MCCB has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 63 A application, field wiring conductors shall be rated not less than 18 K above the surrounding air temperature.
4. In a 125 A application, field wiring conductors shall be rated not less than 55 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
7. For EPL Gb applications, this Series 8550/1-MCCB shall be installed in an increased safety "eb" enclosure.
8. In a 63 A application, the maximum rise of this MCCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
9. In a 125 A application, the maximum rise of this MCCB enclosure is 24 K with a limiting temperature in the final application of 110 °C.
10. In a 63 A application, the maximum rise of this MCCB for the determination of temperature class is 28 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 125 A application, the maximum rise of this MCCB 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.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

8550/1-MCCB—GLN3-TM-e-f-g-h-0000. Explosion Protected Circuit Breaker.

IECEx FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

- e = Nominal current; 015, 020, 025, 030, 035, 040, 045, 050, or 060.
- f = Terminal size; 10, 25, or 95.
- g = Alarm or auxiliary contacts; 000 or AS7.
- h = Alarm or auxiliary contacts; 000 or AS7.

Schedule of Limitations:

1. Rated 415 VAC and 250 VDC.
2. The Series 8550/1-MCCB has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 30 A application, field wiring conductors shall be rated not less than 10 K above the surrounding air temperature.
4. In a 60 A application, field wiring conductors shall be rated not less than 27 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. The Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
7. For EPL Gb locations, the Series 8550/1-MCCB shall be installed in an increased safety "eb" enclosure.
8. In a 30 A application, the maximum rise of this MCCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
9. In a 60 A application, the maximum rise of this MCCB enclosure is 12 K with a limiting temperature in the final application of 110 °C.
10. In a 30 A application, the maximum rise of this MCCB for the determination of temperature class is 20 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 105 °C for T4.
11. In a 60 A application, the maximum rise of this MCCB for the determination of temperature class is 35 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

8550/1-MCCB-GLN3-TM-e-f-g-h-0000. Explosion Protected Circuit Breaker.

IECEx FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

- e = Nominal current; 070, 080, 090, or 100.
- f = Terminal size; 10, 25, or 95.
- g = Alarm or auxiliary contacts; 000 or AS7.
- h = Alarm or auxiliary contacts; 000 or AS7.

Schedule of Limitations:

1. Rated 415 VAC and 250 VDC.
2. This Series 8550/1-MCCB has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 50 A application, field wiring conductors shall be rated not less than 18 K above the surrounding air temperature.
4. In a 100 A application, field wiring conductors shall be rated not less than 47 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
7. For EPL Gb applications, this Series 8550/1-MCCB shall be installed in an increased safety "eb" enclosure.
8. In a 50 A application, the maximum rise of this MCCB enclosure is 8 K with a limiting temperature in the final application of 110 °C.
9. In a 100 A application, the maximum rise of this MCCB enclosure is 19 K with a limiting temperature in the final application of 110 °C.
10. In a 50 A application, the maximum rise of this MCCB for the determination of temperature class is 28 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 105 °C for T4.
11. In a 100 A application, the maximum rise of this MCCB 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 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

8550/1-MCCB-GLN3-TM-e-f-g-h-0000. Explosion Protected Circuit Breaker.

IECEx FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

- e = Nominal current; 110 or 125.
- f = Terminal size; 10, 25, or 95.
- g = Alarm or auxiliary contacts; 000 or AS7.
- h = Alarm or auxiliary contacts; 000 or AS7.

Schedule of Limitations:

1. Rated 415 VAC and 250 VDC.
2. This Series 8550/1-MCCB has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 63 A application, field wiring conductors shall be rated not less than 18 K above the surrounding air temperature.
4. In a 125 A application, field wiring conductors shall be rated not less than 53 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
7. For EPL Gb applications, this Series 8550/1-MCCB shall be installed in an increased safety "eb" enclosure.
8. In a 63 A application, the maximum rise of this MCCB enclosure is 9 K with a limiting temperature in the final application of 110 °C.
9. In a 125 A application, the maximum rise of this MCCB enclosure is 21 K with a limiting temperature in the final application of 110 °C.
10. In a 63 A application, the maximum rise of this MCCB for the determination of temperature class is 28 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 105 °C for T4.
11. In a 125 A application, the maximum rise of this MCCB for the determination of temperature class is 64 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 105 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

8550/1-MCCB-STA3-TM-e-f-g-h-i. Explosion Protected Circuit Breaker.

IECEX FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

- e = Nominal current; 032, 040, 050, or 063.
- f = Terminal size; 10, 25, or 95.
- g = Alarm or auxiliary contacts; 000, AA1 or AA2.
- h = Alarm or auxiliary contacts; 000, FA1, FA2, AA1, or AA2.
- i = Undervoltage release or Shunt trip; 000, U01A, U02A, U03A, S01A, S02A, or S03A.

Schedule of Limitations:

1. Rated 415Y/240 VAC and 250 VDC
2. This Series 8550/1-MCCB has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 32 A application, field wiring conductors shall be rated not less than 12 K above the surrounding air temperature.
4. In a 63 A application, field wiring conductors shall be rated not less than 34 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
7. For EPL Gb applications, this Series 8550/1-MCCB shall be installed in an increased safety "eb" enclosure.
8. In a 32 A application, the maximum rise of this MCCB enclosure is 6 K with a limiting temperature in the final application of 110 °C.
9. In a 63 A application, the maximum rise of this MCCB enclosure is 13 K with a limiting temperature in the final application of 110 °C.
10. In a 32 A application, the maximum rise of this MCCB for the determination of temperature class is 16 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 63 A application, the maximum rise of this MCCB for the determination of temperature class is 41 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

8550/1-MCCB-STA3-TM-e-f-g-h-i. Explosion Protected Circuit Breaker.

IECEx FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

- e = Nominal current; 080, 090, or 100.
- f = Terminal size; 10, 25, or 95.
- g = Alarm or auxiliary contacts; 000, AA1 or AA2.
- h = Alarm or auxiliary contacts; 000, FA1, FA2, AA1, or AA2.
- i = Undervoltage release or Shunt trip; 0000, U01A, U02A, U03A, S01A, S02A, or S03A.

Schedule of Limitations:

1. Rated 415Y/240 VAC and 250 VDC.
2. This Series 8550/1-MCCB has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 50 A application, field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
4. In a 100 A application, field wiring conductors shall be rated not less than 49 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
7. For EPL Gb applications, this Series 8550/1-MCCB shall be installed in an increased safety "eb" enclosure.
8. In a 50 A application, the maximum rise of this MCCB enclosure is 11 K with a limiting temperature in the final application of 110 °C.
9. In a 100 A application, the maximum rise of this MCCB enclosure is 19 K with a limiting temperature in the final application of 110 °C.
10. In a 50 A application, the maximum rise of this MCCB for the determination of temperature class is 34 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 100 A application, the maximum rise of this MCCB for the determination of temperature class is 58 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

8550/1-MCCB-STA3-TM-125-f-g-h-i. Explosion Protected Circuit Breaker.

IECEx FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

- f = Terminal size; 10, 25, or 95.
- g = Alarm or auxiliary contacts; 000, AA1 or AA2.
- h = Alarm or auxiliary contacts; 000, FA1, FA2, AA1, or AA2.
- i = Undervoltage release or Shunt trip; 0000, U01A, U02A, U03A, S01A, S02A, or S03A.

Schedule of Limitations:

1. Rated 415Y/240 VAC and 250 VDC.
2. This Series 8550/1-MCCB has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 63 A application, field wiring conductors shall be rated not less than 24 K above the surrounding air temperature.
4. In a 125 A application, field wiring conductors shall be rated not less than 63 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. This Series 8550/1-MCCB shall be protected from exposure to ultraviolet light.
7. For EPL Gb applications, this Series 8550/1-MCCB shall be installed in an increased safety "eb" enclosure.
8. In a 63 A application, the maximum rise of this MCCB enclosure is 10 K with a limiting temperature in the final application of 110 °C.
9. In a 125 A application, the maximum rise of this MCCB enclosure is 24 K with a limiting temperature in the final application of 110 °C.
10. In a 63 A application, the maximum rise of this MCCB for the determination of temperature class is 34 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 125 A application, the maximum rise of this MCCB for the determination of temperature class is 75 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

8550/1-OL-GLA3-d-96-11. Explosion Protected Overload.

IECEx FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

d = Trip class; E10, E20, or E30.

Schedule of Limitations:

1. Rated 690 VAC.
2. This Series 8550/1-OL has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 50 A application, field wiring conductors shall be rated not less than 9 K above the surrounding air temperature.
4. In a 100 A application, field wiring conductors shall be rated not less than 27 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. The Series 8550/1-OL shall be protected from exposure to ultraviolet light.
7. For EPL Gb applications, the Series 8550/1-OL shall be installed in an increased safety "eb" enclosure.
8. In a 50 A application, the maximum rise of this OL enclosure is 5 K with a limiting temperature in the final application of 110 °C.
9. In a 100 A application, the maximum rise of this OL enclosure is 11 K with a limiting temperature in the final application of 110 °C.
10. In a 50 A application, the maximum rise of this OL for the determination of temperature class is 19 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 100 A application, the maximum rise of this OL for the determination of temperature class is 32 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

8550/1-OL-GLS3-d-80-11. Explosion Protected Overload.

IECEX FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

d = Trip class; E5, E10, E20, or E30.

Schedule of Limitations:

1. Rated 690 VAC.
2. This Series 8550/1-OL has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 40 A application, field wiring conductors shall be rated not less than 7K above the surrounding air temperature.
4. In a 80 A application, field wiring conductors shall be rated not less than 22 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. The Series 8550/1-OL shall be protected from exposure to ultraviolet light.
7. For EPL Gb applications, the Series 8550/1-OL shall be installed in an increased safety "eb" enclosure.
8. In a 40 A application, the maximum rise of this OL enclosure is 5 K with a limiting temperature in the final application of 110 °C.
9. In a 80 A application, the maximum rise of this OL enclosure is 9 K with a limiting temperature in the final application of 110 °C.
10. In a 40 A application, the maximum rise of this OL for the determination of temperature class is 17 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 80 A application, the maximum rise of this OL for the determination of temperature class is 26 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.

8550/1-CT-GLS3-80-e-f-g. Explosion Protected Contactor.

IECEx FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

- e = Terminal size; 10, 25, or 95
f = Coil voltage; U1S, U2S, or U3S.
g = Auxiliary contacts; 13, 22, or 31.

Schedule of Limitations:

1. Rated 415 VAC and 220 VDC.
2. This Series 8550/1-CT has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 40 A application, field wiring conductors shall be rated not less than 17 K above the surrounding air temperature.
4. In a 80 A application, field wiring conductors shall be rated not less than 37 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. The Series 8550/1-CT shall be protected from exposure to ultraviolet light.
7. For EPL Gb applications, the Series 8550/1-CT shall be installed in an increased safety "eb" enclosure.
8. In a 40 A application, the maximum rise of this CT enclosure is 6 K with a limiting temperature in the final application of 110 °C.
9. In a 80 A application, the maximum rise of this CT enclosure is 14 K with a limiting temperature in the final application of 110 °C.
10. In a 40 A application, the maximum rise of this CT for the determination of temperature class is 24 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 80 A application, the maximum rise of this CT 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.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.
13. Short circuit protection shall be provided by Gg fuses rated not higher than 160 amps or a 8550/1-MCCB rated not higher than 125 A.

8550/1-CT-GLA3-d-e-f-g. Explosion Protected Contactor.

IECEx FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

- d = Rated current; 80 or 96.
- e = Terminal size; 10, 25, or 95
- f = Coil voltage; U1A, U2A, U3A, or U4A.
- g = Auxiliary contacts; 13, 22, or 31.

Schedule of Limitations:

1. Rated 415 VAC and 220 VDC
2. This Series 8550/1-CT has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 53 A application, field wiring conductors shall be rated not less than 16 K above the surrounding air temperature.
4. In a 105 A application, field wiring conductors shall be rated not less than 36 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. The Series 8550/1-CT shall be protected from exposure to ultraviolet light.
7. For EPL Gb applications, the Series 8550/1-CT shall be installed in an increased safety "eb" enclosure.
8. In a 53 A application, the maximum rise of this CT enclosure is 8 K with a limiting temperature in the final application of 110 °C..
9. In a 105 A application, the maximum rise of this CT enclosure is 15 K with a limiting temperature in the final application of 110 °C..
10. In a 53 A application, the maximum rise of this CT for the determination of temperature class is 23 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 105 A application, the maximum rise of this CT for the determination of temperature class is 44 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes.
13. Short circuit protection shall be provided by Gg fuses rated not higher than 160 amps or a maximum 100 A 8550/1-MCCB in series with 400 A Gg fuses.

8550/1-MCS-GLS3-MO-100-f-g-h-i. Explosion Protected Molded Case Switch.

IECEx FMG 22.0005U

Ex db eb IIB Gb or Ex db eb IIC Gb

- f = Terminal size 10, 25, or 95
- g = Alarm or auxiliary contacts; 000, AS1, AS2, AS3, AS4, AS5, AS6, or FS3.
- h = Alarm or auxiliary contacts; 000, FS1, FS2, FS3, AS1, AS2, AS3, AS4, AS5, or AS6.
- i = Auxiliary function; 0000, U015, U025, U035, U045, U055, U065, U075, U085, U095, S015, S025, S035, S045, S055, S065, S075, S085, S095, S105, S115, or S125.

Schedule of Limitations:

1. Rated 415 VAC.
2. This Series 8550/1-MCS has a service temperature range of $-25\text{ °C} \leq T_s \leq +110\text{ °C}$.
3. In a 50 A application, field wiring conductors shall be rated not less than 13 K above the surrounding air temperature.
4. In a 100 A application, field wiring conductors shall be rated not less than 52 K above the surrounding air temperature.
5. The flameproof enclosure cannot be repaired.
6. This Series 8550/1-MCS shall be protected from exposure to ultraviolet light.
7. For EPL Gb applications, this Series 8550/1-MCS shall be installed in an increased safety "eb" enclosure.
8. In a 50 A application, the maximum rise of this MCS enclosure is 6 K with a limiting temperature in the final application of 110 °C.
9. In a 100 A application, the maximum rise of this MCS enclosure is 19 K with a limiting temperature in the final application of 110 °C.
10. In a 50 A application, the maximum rise of this MCS for the determination of temperature class is 16 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
11. In a 100 A application, the maximum rise of this MCS for the determination of temperature class is 57 K with a limiting temperature in the final application of 80 °C for T6, 95 °C for T5, or 130 °C for T4.
12. The maximum available fault current shall not exceed 10 000 symmetrical amperes at 415 VAC