

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** FM16US0023X
3. **Equipment:**
(Type Reference and Name) 7150/5. Control & Distribution Panel per 8150 0 000 051 0.
8150/5. Control & Distribution Panel per 8150 0 000 051 0.
7150/5. Motor Control Assembly.
8150/5. Motor Control Assembly.
4. **Name of Listing Company:** R. STAHL Schaltgeräte GmbH
5. **Address of Listing Company:** am Bahnhof 30
74638 Waldenburg
GERMANY
6. The examination and test results are recorded in confidential report number:

3050480 dated 1st August 2014
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Approvals Class 3600:2018, FM Approvals Class 3611:2018, FM Approvals Class 3616:2011,
ANSI/UL 508:2008, ANSI/UL 50:2020, ANSI/UL 50E:2020, ANSI/IEC 60529:2004,
ANSI/UL 60079-0:2019, ANSI/UL 60079-1:2015, ANSI/UL 60079-7:2017
8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

4 May 2021

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

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

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com

SCHEDULE



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10. Equipment Ratings:

Series 7150/5:

Class I, Division 2, Group ABCD T4

Class II, Division 2, Group FG T4

Class III

Ta = -20°C to +40°C

Type 3, 4, 4X, IP66

Series 8150/5:

Class I, Zone 1, AEx db eb IIC T4 Gb

Class I, Division 2, Groups ABCD T4

Class II, Division 1, Groups EFG T4

Class III

Ta = -20°C to +40°C

Type 3, 4, 4X, IP66

11. The marking of the equipment shall include:

Series 7150/5:

Class I, Division 2, Groups ABCD T4

Class II, Division 2, Group FG T4

Class III

Ta = -20°C to +40°C

Type 3, 4, 4X, IP66

Series 8150/5:

Class I, Zone 1, AEx db eb IIC T4 Gb

Class I, Division 2, Groups ABCD T4

Class II, Division 1, Groups EFG T4

Class III

Ta = -20°C to +40°C

Type 3, 4, 4X, IP66

12. **Description of Equipment:**

Series 7150/5 Control & Distribution Panels are electrical equipment for Class I, Division 2; Class II, Division 2; and Class III hazardous (classified) locations. With the integrated components, they serve to control, switch, and distribute energy in hazardous (classified) locations. The panels are designed for permanent connection to the field wiring system.

Series 8150/5 Control & Distribution Panels are electrical equipment for Class I, Zone 1; Class I, Division 2; Class II, Division 1; and Class III hazardous (classified) locations. With the integrated components, they serve to control, switch, and distribute energy in hazardous (classified) locations. The panels are designed for permanent connection to the field wiring system.

Series 7150/5 Motor Control Assemblies are electrical equipment for Class I, Division 2; Class II, Division 2; and Class III, hazardous (classified) locations. With the integrated components, they serve to control motors in hazardous (classified) locations. The panels are designed for permanent connection to the field wiring system.

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Series 8150/5 Motor Control Assemblies are electrical equipment for Class I, Zone 1; Class I, Division 2; Class II, Division 1; and Class III hazardous (classified) locations. With the integrated components, they serve to control motors in hazardous (classified) locations. The panels are designed for permanent connection to the field wiring system.

7150/5. Control & Distribution Panel per 8150 0 000 051 0.

- When Lighting Contactor Assembly 8264/6 is included, the marking does not include "Group A".
- When Main Circuit Breaker 8264/6 or 8265/6 is included, the marking does not include "Group A".
- When Killark Receptacle UGRP-20231B is included, the marking does not include "Groups A".
- When enclosure N-JIC is used, the marking does not include "IP66"

8150/5. Control & Distribution Panel per 8150 0 000 051 0.

- When Lighting Contactor Assembly 8264/6 is included, the marking does not include "Group A", and Group "IIC" will be replaced by "IIB + H2".
- When Main Circuit Breaker 8264/6 or 8265/6 is included, the marking does not include "Group A", and Group "IIC" will be replaced by "IIB + H2".
- When Killark Receptacle UGRP-20231B is included, the marking does not include "Groups A", and the "AEx" marking and the Class II marking will not be included.
- When the mini-PLS busbar system is included, the "AEx" marking will not be included.
- When the RiLine 60 busbar system is included, the "AEx" marking will not be included.
- When 30Compact or 60Compact busbar system is included, the "AEx" marking will not be included.

7150/5-V23-b-c-d-e-f. Motor Starter Assembly.

b = Motor starter type 01, 02, 03, 04, 05, or 07.

c = Starter size 050, 075, 100, 150, 300, or 999.

d = Control voltage 024, 120, 240, or 999.

e = Rated voltage 120, 240, 480, or 600.

f = Options Z1CVT055, Z1CVT075, Z1CVT115, ZCVT150, CVT075, CVT100, CVT150, S273, S052, U231, PLA, PLG, PLR, AM, Z1HTR50, HTR999, BD55, or BD66

- When enclosure N-JIC is used, the marking does not include "IP66"
- Option "BD55" is only rated IP55.

8150/5-V23-b-c-d-e-f. Motor Starter Assembly.

b = Motor starter type 01, 02, 03, 04, or 07.

c = Starter size 050, 075, 100, 150, 300, or 999.

d = Control voltage 024, 120, 240, or 999.

e = Rated voltage 120, 240, 480, or 600.

f = Options Z1CVT055, Z1CVT075, Z1CVT115, ZCVT150, S273, S052, U231, PLA, PLG, PLR, AM, Z1HTR50, HTR999, BD55, or BD66.

- Option "BD55" is only rated IP55.

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13. Specific Conditions of Use:

1. *The circuit breaker access panels may only be opened briefly for operation of the circuit breakers and then re-closed in accordance with the instructions 8150 6 030 023 0.*
2. *Consult the manufacturer if repair of flameproof joints is necessary.*
3. *The property classes for the cover screws of 8264/6 are A70 for M10X1.5 and A80 for M12X1.5.*

14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

16. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
1 st August 2014	Original Issue.
25 th April 2016	<u>Supplement 01:</u> 3055764 dated 25 th April 2016. Description of the Change: Addition of main circuit breaker, lighting contactor assembly, panel receptacle, and bus bar systems.
14 th December 2016	<u>Supplement 02:</u> 3057976 dated 14 th December 2016. Description of the Change: Addition of Motor Control Assemblies.
4 th May 2021	<u>Supplement 03:</u> PR459604 dated 4 th May 2021. Description of the Changes: <ul style="list-style-type: none">• Change designator "K03702" to "V23"• Addition of 30 hp Motor Control Assemblies.• Addition of "rated voltage" variable• Addition of Class II, Division 2; and Class III for 7150/5, which were previously inadvertently left off.

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