



Member of the FM Global Group

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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

***RN 6001 AMabcdefghijkl. Level Limit Switch.***

***RN 6001 A1abcdefghijkl. Level Limit Switch.***

Type 4X, IP66

- a = Process temperature 1, 2, 3, 4 or 5.
- b = Process over pressure (any number from 0-9 or letter from A-Z).
- c = Power supply A, S, B, T, C, U, D, V, E, F, W, or X.
- d = Process connection (any number from 0-9 or letter from A-Z).
- e = Material process connection 1, 3 or 7.
- f = Length of extension (any number from 0-9 or letter from A-Z).
- g = Material of extension 3 or 7.
- h = Measuring vane (any number from 0-9 or letter from A-Z).

***RN 6002 BMabcdeZfg-Lh. Level Limit Switch.***

***RN 6002 B1abcdeZfg-Lh. Level Limit Switch.***

Type 4X, IP66

- a = Process temperature 1, 2, 3, 4 or 5.
- b = Process over pressure (any number from 0-9 or letter from A-Z).
- c = Power supply A, S, B, T, C, U, D, V, E, F, W, or X.
- d = Process connection (any number from 0-9 or letter from A-Z).
- e = Material process connection 1, 3 or 7.
- f = Material of extension 1, 3 or 7.
- g = Measuring vane (any number from 0-9 or letter from A-Z).
- h = Length in mm.

***RN 6002 aMbcdefZgh-Li. Level Limit Switch.***

***RN 6002 a1bcdefZgh-Li. Level Limit Switch.***

Type 4X, IP66

- a = Type C or H.
- b = Process temperature 1, 2, 3, 4 or 5.
- c = Process over pressure (any number from 0-9 or letter from A-Z).
- d = Power supply A, S, B, T, C, U, D, V, E, F, W, or X.
- e = Process connection (any number from 0-9 or letter from A-Z).
- f = Material process connection 1, 3, or 7.
- g = Material of extension 3 or 7

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h = Measuring vane (any number from 0-9 or letter from A-Z).  
i = Length in mm.

**RN 6003 DMabcdefgh. Level Limit Switch.**

**RN 6003 D1abcdefgh. Level Limit Switch.**

Type 4X, IP66

a = Process temperature 1, 2, 3 or 4  
b = Process over pressure (any number from 0-9 or letter from A-Z).  
c = Power supply A, S, B, T, C, U, D, V, E, F, W, or X.  
d = Process connection (any number from 0-9 or letter from A-Z).  
e = Material process connection 1, 3, or 7.  
f = Length of extension (any number from 0-9 or letter from A-Z).  
g = Material of extension 1, 3 or 7.  
h = Measuring vane (any number from 0-9 or letter from A-Z).

**RN 6004 EMabcdefgh. Level Limit Switch.**

**RN 6004 E1abcdefgh. Level Limit Switch.**

Type 4X, IP66

a = Process temperature 1, 2, 3, 4 or 5.  
b = Process over pressure (any number from 0-9 or letter from A-Z).  
c = Power supply A, S, B, T, C, U, D, V, E, F, W, or X.  
d = Process connection (any number from 0-9 or letter from A-Z).  
e = Material process connection 1, 3 or 7.  
f = Length of extension (any number from 0-9 or letter from A-Z).  
g = Material of extension 1, 3 or 7.  
h = Measuring vane (any number from 0-9 or letter from A-Z).

**RN 6001 AUabcdefgh. Level Limit Switch.**

**RN 6001 Alabcdefgh. Level Limit Switch.**

XP / I / 1 / BCD / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
I / 1 / AEx d / IIC / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
DIP / II,III / 1 / EFG / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
Type 4X, IP66

**RN 6001 ASabcdefgh. Level Limit Switch.**

**RN 6001 AHabcdefgh. Level Limit Switch.**

I / 1 / AEx d e / IIC / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
DIP / II,III / 1 / EFG / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
Type 4X, IP66

**RN 6001 ANabcdefgh. Level Limit Switch.**

**RN 6001 AFabcdefgh. Level Limit Switch.**

DIP / II,III / 1 / EFG / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
Type 4X, IP66

a = Process temperature 1, 2, or 3.  
b = Process over pressure (any number from 0-9 or letter from A-Z).  
c = Power supply A, S, B, T, C, U, D, V, E, F, W or X.  
d = Process connection (any number from 0-9 or letter from A-Z).  
e = Material process connection 1, 3 or 7.  
f = Length of extension (any number from 0-9 or letter from A-Z).  
g = Material of extension 3 or 7.  
h = Measuring vane (any number from 0-9 or letter from A-Z).

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**RN 6002 BUabcdeZfg-Lh. Level Limit Switch.**

**RN 6002 BlabcdeZfg-Lh. Level Limit Switch.**

XP / I / 1 / BCD / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
 I / 1 / AEx d / IIC / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
 DIP / II,III / 1 / EFG / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
 Type 4X, IP66

**RN 6002 BSabcdeZfg-Lh. Level Limit Switch.**

**RN**

**6002 BHabcdeZfg-Lh. Level Limit Switch.**

I / 1 / AEx d e / IIC / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
 DIP / II,III / 1 / EFG / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
 Type 4X, IP66

**RN 6002 BNabcdeZfg-Lh. Level Limit Switch.**

**RN 6002 BFabcdeZfg-Lh. Level Limit Switch.**

DIP / II,III / 1 / EFG / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
 Type 4X, IP66

a = Process temperature 1, 2, or 3.

b = Process over pressure (any number from 0-9 or letter from A-Z).

c = Power supply A, S, B, T, C, U, D, V, E, F, W or X.

d = Process connection (any number from 0-9 or letter from A-Z).

e = Material process connection 1, 3 or 7.

f = Material of extension 1, 3 or 7.

g = Measuring vane (any number from 0-9 or letter from A-Z).

h = Length in mm.

**RN 6002 aUbcdefZgh-Li. Level Limit Switch.**

**RN 6002 albcdefZgh-Li. Level Limit Switch.**

XP / I / 1 / BCD / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
 I / 1 / AEx d IIC / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
 DIP / II,III / 1 / EFG / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
 Type 4X, IP66

**RN 6002 aSbcdefZgh-Li. Level Limit Switch.**

**RN 6002 aHbcdefZgh-Li. Level Limit Switch.**

I / 1 / AEx d e IIC / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
 DIP / II,III / 1 / EFG / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C

**RN 6002 aNbcdefZgh-Li. Level Limit Switch.**

**RN 6002 aFbcdefZgh-Li. Level Limit Switch.**

DIP / II,III / 1 / EFG / T5 Ta = -40°C to 40°C; T4 Ta = -40°C to 50°C  
 Type 4X, IP66

a = Type C or H.

b = Process temperature 1, 2, or 3.

c = Process over pressure (any number from 0-9 or letter from A-Z).

d = Power supply A, S, B, T, C, U, D, V, E, F, W or X.

e = Process connection (any number from 0-9 or letter from A-Z).

f = Material process connection 1, 3 or 7.

g = Material of extension 3 or 7.

h = Measuring vane (any number from 0-9 or letter from A-Z).

i = Length in mm.

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**RN 6003 DUabcdefgh. Level Limit Switch.****RN 6003 Dlabcddefgh. Level Limit Switch.**

XP / I / 1 / BCD / T5 Ta = -40°C to 50°C

I / 1 / AEx d IIC / T5 Ta = -40°C to 50°C

DIP / II,III / 1 / EFG / T5 Ta = -40°C to 50°C

Type 4X, IP66

**RN 6003 DSabcdefgh. Level Limit Switch.****RN 6003 DHabcdefgh. Level Limit Switch.**

I / 1 / AEx d e IIC / T5 Ta = -40°C to 50°C

DIP / II,III / 1 / EFG / T5 Ta = -40°C to 50°C

Type 4X, IP66

**RN 6003 DNabcdefgh. Level Limit Switch.****RN 6003 DFabcdefgh. Level Limit Switch.**

DIP / II,III / 1 / EFG / T5 Ta = -40°C to 50°C

Type 4X, IP66

a = Process temperature 1, 2, or 3.

b = Process over pressure (any number from 0-9 or letter from A-Z).

c = Power supply A, S, B, T, C, U, D, V, E, F, W or X.

d = Process connection (any number from 0-9 or letter from A-Z).

e = Material process connection 1, 3 or 7.

f = Length of extension (any number from 0-9 or letter from A-Z).

g = Material of extension 1, 3 or 7.

h = Measuring vane (any number from 0-9 or letter from A-Z).

**RN 6004 EUabcdefgh. Level Limit Switch.****RN 6004 Elabcdefgh. Level Limit Switch.**

XP / I / 1 / BCD / T5 Ta = -40°C to 50°C

I / 1 / AEx d IIC / T5 Ta = -40°C to 50°C

DIP / II,III / 1 / EFG / T5 Ta = -40°C to 50°C

Type 4X, IP66

**RN 6004 ESabcdefgh. Level Limit Switch.****RN 6004 EHabcdefgh. Level Limit Switch.**

I / 1 / AEx d e IIC / T5 Ta = -40°C to 50°C

DIP / II,III / 1 / EFG / T5 Ta = -40°C to 50°C

Type 4X, IP66

**RN 6004 ENabcdefgh. Level Limit Switch.****RN 6004 EFabcdefgh. Level Limit Switch.**

DIP / II,III / 1 / EFG / T5 Ta = -40°C to 50°C

Type 4X, IP66

a = Process temperature 1, 2, or 3.

b = Process over pressure (any number from 0-9 or letter from A-Z).

c = Power supply A, S, B, T, C, U, D, V, E, F, W, or X.

d = Process connection (any number from 0-9 or letter from A-Z).

e = Material process connection 1, 3 or 7.

f = Length of extension (any number from 0-9 or letter from A-Z).

g = Material of extension 1, 3 or 7.

h = Measuring vane (any number from 0-9 or letter from A-Z).

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## Equipment Ratings:

Explosionproof for Class I, Division 1, Groups B, C and D; Flameproof for Class I, Zone 1 AEx d IIC, Flameproof and Increased Safety for Class I, Zone 1 AEx de IIC; and Dust-Ignitionproof for Class II/III, Division 1, Groups E, F and G hazardous (classified) locations, indoors and outdoors (NEMA Type 4X, IP66) and for unclassified locations, indoors and outdoors (NEMA Type 4X, IP66)

## FM Approved for:

UWT GmbH  
Westendstrasse 5  
D-87488 Betzigau  
Germany

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	2011
Class 3615	2006
Class 3616	2011
Class 3810	2005
ANSI/ISA-S12.0.01	2002
ANSI/ISA-S12.22.01	2002
ANSI/ISA-S12.16.01	2002
ANSI/NEMA 250	1991
ANSI/IEC 60529	2004

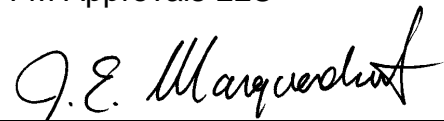
Original Project ID: 3022727

Approval Granted: August 23, 2005

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
060908	September 27, 2006		
091021	January 11, 2010		
100128	February 10, 2010		
101109	December 10, 2010		
3051172	May 13, 2014		

FM Approvals LLC



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J. E. Marquedant  
Group Manager, Electrical

13 May 2014  
Date

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