# CERTIFICATE OF COMPLIANCE

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|---|---|
| **Certificate Number** | E185892 |
| **Report Reference** | E185892-20171222 |
| **Date** | 2022-August-22 |

**Issued to:**

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Germany
Minden 32423 DE

**This is to certify that representative samples of**

TERMINAL BLOCKS FOR USE IN ZONE CLASSIFIED HAZARDOUS LOCATIONS - COMPONENT

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

**Standard(s) for Safety:** See Addendum Page for Standard(s) for Safety.

**Additional Information:** See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model(s):

Component - Terminal Blocks, Series 2006 followed by –12 or -13, followed by –01 thru -06 or -09.

Protective conductor Terminal Blocks, Series 2006 followed by -1207 and -1307

Spring Type Terminal Block, Series 2006, Cat. No(s): 2006-8031 through 2006-8036; 2006-8039; 2006-8031/0000-0053 and 2006-8031/0000-00xx, where ‘xx’ define color of the insulating base (xx – any number from 01 to 99).

for use in Class I, Zone 1, AEx eb IIC Gb resp. Ex eb IIC Gb Hazardous locations.

Standard(s) for Safety:

UL 60079-0, Explosive Atmospheres - Part 0: Equipment - General Requirements
UL 60079-7, Explosive Atmospheres - Part 7: Equipment Protection by Increased Safety "e"
CSA C22.2 No. 60079-0, Explosive Atmospheres - Part 0: Equipment - General Requirements
CSA C22.2 No. 60079-7, Explosive Atmospheres - Part 7: Equipment Protection by Increased Safety "e"

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File E185892
Project 4788057888

December 22, 2017

REPORT

on

# COMPONENT - Terminal Blocks for Use in Zone Classified Hazardous Locations

Wago Kontakttechnik GmbH & Co KG
Minden, Germany

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DESCRIPTION

PRODUCT COVERED:

USR/CNR, Component - Terminal Blocks, Series 2006 followed by –12 or -13, followed by –01 thru -06 or -09.

Protective conductor Terminal Blocks, Series 2006 followed by -1207 and -1307

**Spring Type Terminal Block, Series 2006, Cat. No(s): 2006-8031 through 2006-8036; 2006-8039; 2006-8031/0000-0053 and 2006-8031/0000-00xx, where 'xx' define color of the insulating base (xx – any number from 01 to 99).**

for use in Class I, Zone 1, AEx eb IIC Gb resp. Ex eb IIC Gb Hazardous locations.

GENERAL:

These devices provide screwless terminals of the cage clamp type. They can be mounted by snap-in or rail methods. The devices are suitable for industrial use within the ratings specified below.

For factory and field wiring unless otherwise indicated.

| Type | Use/voltage | Hazardous Locations use voltage | Current | Wire range |
|---|---|---|---|---|
| 2006-1201 through -1206, -1209 | Industrial General 600V | 500V rated 550V max. | 50 | 20-8 SOL/STR |
| 2006-1301 through -1306, -1309 | Industrial General 600V | 500V rated 550V max. | 50 | 20-8 SOL/STR |
| 2006-1207, -1307 | N/A | N/A | N/A | 20-8 SOL/STR |
| **2006-8031 through 2006-8036; 2006-8039; 2006-8031/0000-0053 and 2006-8031/0000-00xx** | **Industrial General 600V** | **500V rated 550V max.** | **50** | **Wire Range Input: 20-8 Sol/Str (1)** |
| | **Industrial General 600V** | **500V rated 550V max.** | **50** | **Wire Range Output: 22-14 Sol/Str** |

**(1) Maximum Wire size for Solid – 10AWG and Maximum Current Rating for Solid – 30A.**

Wire Strip Length – 12mm

**Wire Strip Length for models: 2006-8031 through 2006-8036; 2006-8039; 2006-8031/0000-0053 and 2006-8031/0000-00xx: Input Side – 13-15mm, Output Side – 9-11mm.**

NOTE: The products are recognized R/C (XCFR2/8) for Ordinary Locations under the applicant's File E45172, Vol. 1, Sec. 41, Issued: 2004-06-28. In case of any discrepancy between this file and file E45172, Vol. 1, Sec. 41 this file has precedence.

ENVRIONMENTAL RATINGS:

Service temperature range: -55°C < Ts < +85°C

NOMENCLATURE:

Example: 2006 -13 01
A B C

A - Basic Construction

B – Number of wire terminations
-12 – 2 wire terminations
-13 – 3 wire terminations

C – Color Code
01 – Gray
02 – Orange
03 – Red
04 – Blue
05 – Black
06 – Yellow
07 - Green / Yellow (indicating PCTB)
09 – Light Gray

**Example: 2006-8031/0000-0053**
**A B C D**

**A - Basic Construction**

**B 2006-803 – power distribution terminal block without Push Button.**

**C – Color coding**
**- 1 - gray**
**- 2 – orange**
**- 3 – red**
**- 4 – blue**
**- 5 – black**
**- 6 – yellow**
**- 9 – light gray**

**D - Additional suffixes, only when item C is 1:**
**- /0000-0053 – gray/yellow**
**- /0000-00xx – any colour except for green and yellow (xx – any number from 01 to 99).**

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE'S USE):

* Use - For use only in **(or with) complete equipment** where the acceptability of the combination is determined by UL LLC (UL).

Product is Recognized in accordance with the following Standards for use in the United States and Canada:

**UL60079-0, Explosive Atmospheres - Part 0: Equipment - General Requirements, Edition 7, Revision Date 04/15/2020**

**UL60079-7, STANDARD FOR EXPLOSIVE ATMOSPHERES - PART 7: EQUIPMENT PROTECTION BY INCREASED SAFETY ''E'', Edition 5, Revision Date 04/21/2017**

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**CSA C22.2 No. 60079-0, Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements, Edition 4, Issue Date 02/2019**

**CSA C22.2 No. 60079-7, Explosive Atmospheres - Part 7: Equipment Protection by Increased Safety "e", Edition 2, Issue Date 10/2016**

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CONDITIONS OF ACCEPTABILITY –

1. The insulating bodies are molded as specified in File E45172, Vol. 1, Sec. 41, Issue date: 2004-06-28. They have a temperature rating of min. 105°C. The suitability of these materials shall be determined in the end use application.

2. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials. These materials may be used interchangeably at a maximum temperature of 105°C and at a minimum temperature of -55°C.

3. The field wiring terminals of this terminal block have been evaluated using the Standard for Equipment Wiring Terminals For Use With Aluminum and/or Copper Conductors, UL 486E. The suitability of these terminals shall be determined in the end-use investigation.

4. These terminals are suitable for copper conductors only.

5. Cat. No. 2006-1207 and -1307, have been evaluated as Protective Conductor Terminal Block, the use of these terminals shall be evaluated in the end use equipment.

6. The mounting suitability shall be evaluated in the end use application.

7. The terminal blocks were evaluated for use in an enclosure with a minimum rating of IP54. The suitability of the end application enclosure as an increased safety enclosure shall be considered.

8. **The suitability of accessories like end-stops, strain-relief plates, marking strips, test plug adaptors, shorting bus, bridges, jumpers, stack-mounting hardware, etc. shall be determined in the final combination.**

9. **These devices or their single modules may be combined to strips designated as 2006-xxxx followed by an optional suffix /yyyy-zzzz where x, y, z are any customer number or digit (including characters), given for a specific end-use purpose.**

10. **Article numbers may be followed by optional suffix numbers e.g. 2006-xxxx/xxxx-xxxx/xxxx-xxxx (up to 40 digits) where "x" may be any number (including characters) to represent printing variants, color variants, etc.**