CERTIFICATE OF COMPLIANCE

Certificate Number	20160630-E45172
Report Reference	E45172-20090113
Issue Date	2016-JUNE-30
Issued to:	WAGO KONTAKTTECHNIK GMBH & CO KG HANSASTRASSE 27 32423 MINDEN GERMANY
This is to certify that representative samples of	COMPONENT - TERMINAL BLOCKS Cat. Nos. 812-10X, 812-11X, where X is 1-4. Component – PCTB Type, Cat. Nos. 812-100, 812-110. Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL1059, Terminal Blocks
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: 𝕽𝖚, may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

File E45172
Project 08CA49673

January 13, 2009

REPORT

on

COMPONENT - TERMINAL BLOCKS - COMPONENT

Wago Kontakttechnik Gmbh & Co. Kg
Minden, Germany

DESCRIPTION

PRODUCT COVERED:

USR - Component - Terminal Blocks, Cat. Nos. 812-10X, 812-11X, where X is 1-4.

USR - Component – PCTB Type, Cat. Nos. 812-100, 812-110.

GENERAL CHARACTER AND USE:

The terminal blocks covered by this Report are intended for use in the following applications and within the ratings specified.

RATINGS:

Application -

Commercial appliances (such as business and EDP equipment, etc.

General industrial (such as motor controllers, pushbutton stations, etc.

Terminal Type -

Front	Back
Push-In Type (Wire Secured by Spring Type Action)	Bus bar

Type Wiring: Factory and Field wiring
Strip Length: 9-10mm

Cat. No.	Wire Range AWG/kcmil	Wire Type	FW	Torque	Voltage V	Current A	UG	CA
812-10X	20-12 SOL/STR	Cu	2	N/A	600	20	B,C	2(105),4
812-11X	16-6 SOL/STR	Cu	2	N/A	600	65	B,C	2(105),4
812-100	20-12 SOL/STR	Cu	2	N/A	600	N/A	B,C	2(105),4
812-110	16-6 SOL/STR	Cu	2	N/A	600	N/A	B,C	2(105),4

Note: X may be 1-4

NOMENCLATURE:

X is 1-4 and represents color variations

Color:
1: light grey
2: dark grey
3: red
4: blue

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Products designated USR have been investigated using requirements contained in UL 1059, the Standard for Terminal Blocks.

Conditions of Acceptability –

1. For use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

2. The insulating bodies are molded of polymeric materials, as specified in the Section General portion of this report. They have a temperature rating of 1058C. The suitability of these materials shall be determined in the end use application.

3. The field wiring terminals of these terminal blocks 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. Cat. Nos. 812-10X, 812-11X were tested when mounted using the support block, Cat. No. 812-140. Spacings were evaluated with this combination. The suitability of other mounting means, including the ability to maintain spacings, shall be determined in the end use application.

5. Cat. Nos. 812-100, 812-110 were tested when mounted using the support block, Cat. No. 812-141. Spacings were evaluated with this combination. The suitability of other mounting means, including the ability to maintain spacings and carry fault current, shall be determined in the end use application.

6. The devices covered in this report are intended to be assembled onto tin-plated copper alloy mounting rails, 10mm width x 3mm thick. The suitability of these devices when used with different bus bar types or sizes shall be determined in the end use application.

7. The design of these devices is such that live portions of the bus bar may be exposed after installation. Spacings from these parts shall be measured in the end use application.

8. When provided with insulating covers for the edges of the bus bar, the suitability of the covers shall be judged in the end-use application. The covers may be constructed from various plastics and the suitability of the plastic shall be investigated per the latest requirements of UL 746C if the cover is to be used in lieu of spacings.