

CERTIFICATE OF COMPLIANCE

Certificate Number E60425
Report Reference E60425-19880113
Date 2021-December-30

Issued to: PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstrasse 8
Blomberg 32825 DE

This is to certify that
representative samples of TERMINAL BLOCKS - COMPONENT
See Addendum Page for Product Designation(s).

Have been investigated 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: UL 1059 TERMINAL BLOCKS
CAN/CSA C22.2 No. 158-10 TERMINAL BLOCKS

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

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure 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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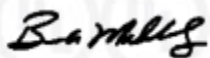
This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Component terminal blocks, Cat. Nos. AK4, AKG4.

Component protective conductor terminal blocks, Cat.
No. AKG4-GNYE.

Component terminal blocks, Cat. Nos. AKG16, AKG35.

Component protective conductor terminal blocks, Cat. Nos. AKG16,
AKG35 followed by Suffix -GNYE.



Bruce Mahrenholz, Director North American Certification Program

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DESCRIPTION

PRODUCT COVERED:

* USR, CNR - Component terminal blocks, Cat. Nos. AK4, AKG4.

 USR, CNR - Component protective conductor terminal blocks, Cat.
 No. AKG4-GNYE.

* USR - Component terminal blocks, Cat. Nos. AKG16, AKG35.

 USR - Component protective conductor terminal blocks, Cat. Nos. AKG16,
 AKG35 followed by Suffix -GNYE.

 Note - USR - Investigated for compliance with United States Standard -
UL 1059, the Standard for Terminal Blocks, Third Edition.

 CNR - Investigated for compliance with Canadian National Standard
- C22.2 No. 158-1987, the Standard for Terminal Blocks, dated December 1987.

GENERAL CHARACTER AND USE:

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

Application -

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

 General industrial (such as motor controllers, push-button stations,
etc.)

Terminal Type -

 Pressure Wire Connector

 Type Wiring - Factory and Field wiring.

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Cat. No.	Wire type	Torque Nm	V	Wire size AWG	FW	A	UG
AKG 35	Cu	5.6	1)	18-2	2	115	B, C, F
AKG 16	Cu	2.5-3.0	1)	18-6	2	65	B, C, F
AKG 4	Cu	1.5 - 1.8	1)	22-12	2	20	B, C, F
				10	1	30	B, C, F
AK 4	Cu	1.5 - 1.8	1)	22-12	2	20	B, C, F
				10	1	30	B, C, F
AKG 16 GNYE	Cu	2.5 - 3.0	NA	18-6	2	-	B, C, F
AKG 35 GNYE	Cu	5.6	NA	18-2	2	-	B, C, F
AKG 4 GNYE	Cu	1.5 - 1.8	NA	22-12	2	-	B, C, F

- 1) The voltage rating depends on the fixing of the busbar and have to be considered in the end use application.

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Series 1:

Nomenclature:

X0	X1	X2
A	B	C

A: (X0) Basic Designation (Housing Variations)

AK- Terminal block
 AKG- Terminal Block

B: (X1) Max Wire AWG Area Capacity
 w or w/o suffix

4 - 4 mm²
 16 - 16 mm²
 35 - 35 mm²

C: (X2) Protective Conductor Terminal Block
 w or w/o suffix

GNYE: Green-Yellow housing (for Protective Conductor terminal block)

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AKG 35	AKG 16
AKG 4	AK 4
AKG 16 GNYE	AKG 35 GNYE
AKG 4 GNYE	

With all color variants are possible and the can be added at any position of nomenclature

Note: In nomenclature we can use /,-,: and space in between any suffix.

All Cat. Nos. may be followed by a 1 to 30 character alphanumeric suffix (any combination of letters and/or numbers) with or without spaces between characters, designating nonelectrical variations such as color, Customer identification, packaging or plating options, coded variations (by adding or removing parts) or omitting terminals from single or multiple alternating poles. Terminal blocks may not be shipped with all terminals removed.

End plates and partition plates are optional.

All part of copper & steel alloy can be plated/un-plated irrespective of mentioned in tables.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only in or with products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability -

1. These devices have been investigated for use with copper conductors only.

2. **The insulating bodies are molded of Recognized Component polymeric materials (QMFZ2). Identification of these plastic materials by manufacturer's name, Grade designation, maximum operating temperature, and flame rating are specified in the "Section General" pages in this Procedure. The acceptability of these materials shall be judged in the end use application.**

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3. The tightening torque for field wiring pressure wire connector terminals is recorded in the Ratings section of this Report. This torque value shall be marked on the end-use product for those categories which require torque markings for field terminated conductors.

4. The pressure wire connectors are acceptable for field-wiring applications in accordance with the field wiring requirements in UL 486E, Standard for Equipment Wiring Terminals, First Edition.

5. Cat. Nos. AKG4-GNYE, AKG16-GNYE, AKG35-GNYE comply with requirements for protective conductor terminal blocks in UL 1059 Standard for Terminal Blocks, Third Edition.

6. The voltage rating is based on spacings measured from the base of the pressure plate to a metal mounting surface. Spacing between poles of opposite polarity was not a consideration since the device is a single-pole unit of same polarity.