



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx SEV 14.0013U

Issue No: 3

Certificate history:

Issue No. 3 (2018-01-25)

Issue No. 2 (2017-06-12)

Issue No. 1 (2015-01-21)

Issue No. 0 (2014-11-05)

Status: Current

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Date of Issue: 2018-01-25

Applicant: Phoenix Contact GmbH & Co. KG
Flachsmarktstrasse 8
32825 Blomberg
Germany

Equipment: Terminal blocks

Optional accessory:

Type of Protection: Increased safety "e"

Marking:
Ex eb IIC Gb

Approved for issue on behalf of the IECEx
Certification Body:

Martin Plüss

Position:

Manager Product Certification

Signature:
(for printed version)

Date:

2018-01-25

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Eurofins Electrosuisse Product Testing AG
Luppenstrasse 1
CH-8320 FEHRALTORF
Switzerland



Electrosuisse
Product Testing



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Manufacturer: Phoenix Contact GmbH & Co. KG
Flachmarktstrasse 8
32825 Blomberg
Germany

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements

Edition:6.0

IEC 60079-7 : 2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

Edition:5.0

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[CH/SEV/ExTR14.0014/03](#)

Quality Assessment Report:

[NL/DEK/QAR11.0009/05](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The terminal blocks and protective conductor terminal blocks of the PTPOWER 95 series consists of an insulating housing (PA 6.6) which are equipped with current bar(s), screwless-type clamping units to be used in terminal compartments of the Ex "e" type of protection (in gas atmospheres) or Ex "t" type of protection (in dust atmospheres). When needs, two or more pole of adjacent terminal blocks can be connected with cross connectors EB (insertion bridges) to build groups of terminals with the same potential.

Accessories are insertion bridges and end brackets. These terminal blocks can be mounted on standard support rails according to IEC/EN 60715-TH 35 (NS 35) or by using the type PTPOWER 95-F on mounting plates.

Types:

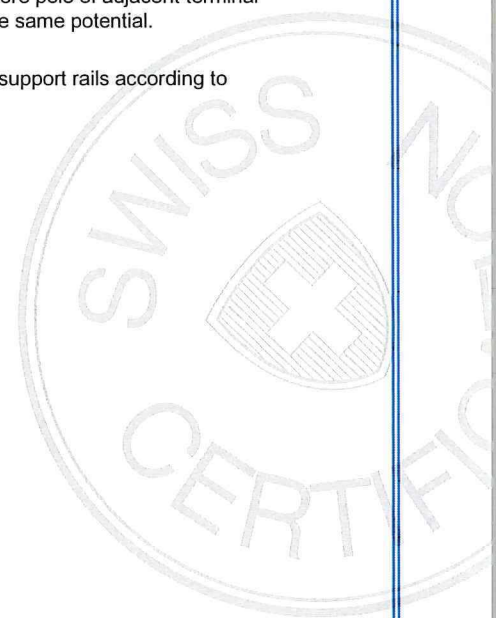
PTPOWER 95 ** PTPOWER 95 P **
PTPOWER 95 F ** PTPOWER 95-PE
AGK 10-PTPOWER 95

** = valid for colour variants

Schedule of Limitations" for Ex Components:

- The terminal blocks of the PTPOWER series are to be installed in enclosures that meet the requirements of the standards IEC/EN 60079-0 and IEC/EN 60079-7 (for gas atmospheres) and IEC/EN 60079-31 (for dust atmospheres).
- When installing the terminal blocks, clearances and creepage distances according to the standard IEC 60079-7 must be observed, as well as reduced current ratings when multiple terminals are installed, according to the rating of the enclosure explained in sub-clauses 5.8, 6.7 and Annex E.
- Service temperature range: from -60 °C ... +110 °C.

SPECIFIC CONDITIONS OF USE: NO





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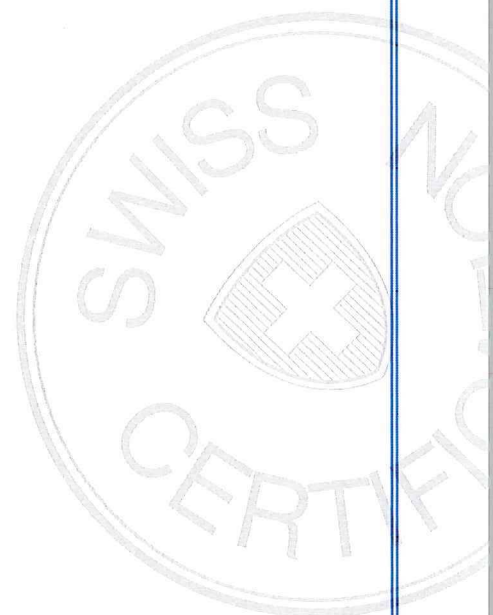
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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

The change concerns the outer spring, namely the long leg is extended from 25 mm to 29.8 mm

This certificate IECEx SEV 14.0013U Issue 3 replaces Issue 2





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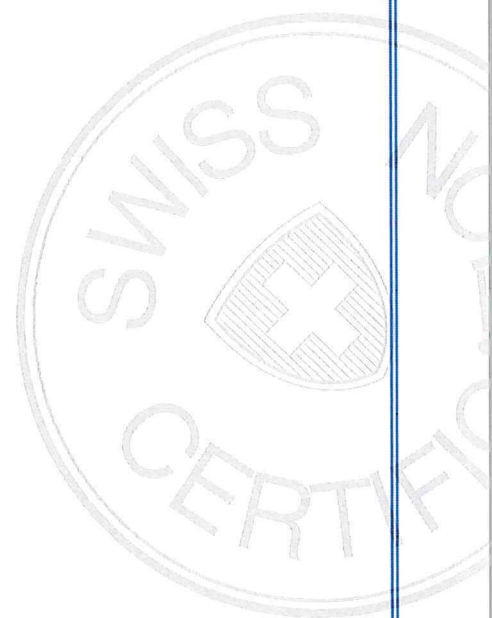
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Additional information:

See Annexe

Annex:

[IECEX SEV 14.0013 U Annexe Issue 3.pdf](#)



Annexe to:
IECEX SEV 14.0013U
Issue No.: 3

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Applicant Name:
Phoenix Contact GmbH & Co. KG
Electrical Apparatus:
Terminal block
Description

The terminal blocks and protective conductor terminal blocks of the PTPOWER 95 series consists of an insulating housing (PA 6.6) which are equipped with current bar(s), screwless-type clamping units to be used in terminal compartments of the Ex "e" type of protection (in gas atmospheres) or Ex "t" type of protection (in dust atmospheres)

When needs, two or more pole of adjacent terminal blocks can be connected with cross connectors EB (insertion bridges) to build groups of terminals with the same potential.

Accessories are insertion bridges and end brackets. These terminal blocks can be mounted on standard support rails according to IEC/EN 60715-TH 35 (NS 35) or by using the type PTPOWER 95-F on mounting plates.

Rating according to IECEx 60079-7:2015 clause 8.2

Type:**	PTPOWER 95**	PTPOWER 95 P**	PTPOWER 95 F**	AGK 10-PTPOWER***
Rated voltage [V]	1100	1100	1100	1100
- with insertion bridge EB... [V]	1100	1100	1100	N/A
Rated current [A]	215	215	215	50
- with insertion bridge EB... [A]	144	144	144	N/A
Max. load current [A]	215	215	215	N/A
- with insertion bridge [A]	174	174	174	N/A
Temperature rise [K]	40	40	40	40
Contact resistance [mΩ]	0,1	0,1	0,1	1,05
Rated cross-section [mm ²] (AWG)	95 (4/0)	95 (4/0)	95 (4/0)	10 (6)
Connectable conductor cross-section				
- rigid [mm ²] (AWG)	25 - 95 (4-4/0)	25 - 95 (4-4/0)	25 - 95 (4-4/0)	0,5 - 16 (20-6)
- flexible with ferrule [mm ²] (AWG)	25 - 95 (4-4/0)	25 - 95 (4-4/0)	25 - 95 (4-4/0)	0,5 - 10 (20-8)
Ferrule length [mm]	40	40	40	18
Stripping length [mm]	40	40	40	18
Assembly as stated	on DIN rails acc. to EN 60715-TH 35		on mounting plate	pluggable with the terminal block
Service temperature [°C]	-60 ... +110			

** valid for colour variants

*** combined with PTPOWER 95...

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** valid for colour variants

*** combined with PTPOWER 95...

Type:		PTPOWER 95-PE
Rated cross-section [mm ²] (AWG)		95 (4/0)
Connectable conductor cross-section		
- rigid [mm ²] (AWG)		25 - 95 (4-4/0)
- flexible with ferrule [mm ²] (AWG)		25 - 95 (4-4/0)
Ferrule length [mm]		40
Stripping length [mm]		40
Assembly as stated	on DIN rails acc. to EN 60715-TH 35	
Service temperature [°C]	-60 ... +110	

** valid for colour variants

*** combined with PTPOWER 95...