

# CERTIFICATE OF COMPLIANCE

**Certificate Number** E138168  
**Report Reference** E138168-20160923  
**Issue Date** 2020-MARCH-25

**Issued to:** PHOENIX CONTACT GmbH & Co. KG  
Flachmarktstrasse 8  
32825 Blomberg GERMANY

**This certificate confirms that representative samples of** ISOLATED LOOP CIRCUIT PROTECTORS  
See Addendum page

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 497B, Protectors for Data Communications and Fire-Alarm Circuits.

**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 Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

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

Look for the UL Certification 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.

**Isolated loop circuit protectors:**

| Models | followed by | followed by | may be followed by | followed by | followed by | may be followed by |
|--------|-------------|-------------|--------------------|-------------|-------------|--------------------|
| TTC    | -3          | -1X2        | -F                 | -12DC       | -PT         | -I                 |
|        | -6          | -2X1        | -M                 | -24DC       | -UT         |                    |
|        | -6P         | -2          | -F-M               | -48DC       |             |                    |
|        |             | -2-HC       | -M-EX              | -60DC       |             |                    |
|        |             | -2XTVSD     | -F-M-EX            | -24AC       |             |                    |
|        |             | -3-HF       | -EX                | -60AC       |             |                    |
|        |             | -GDT-C      |                    | -110AC      |             |                    |
|        |             | -GDT-D      |                    | -120AC      |             |                    |
|        |             | -MOV-C      |                    | -5DC        |             |                    |
|        |             | -MOV-D      |                    |             |             |                    |
|        |             | -TVSD-C     |                    |             |             |                    |
|        |             | -TVSD-D     |                    |             |             |                    |
|        |             | -3          |                    |             |             |                    |
|        |             | -T3         |                    |             |             |                    |
|        |             | -4          |                    |             |             |                    |

**Plug-in modules**

| Models | followed by | followed by | May be Followed by | followed by | followed by | followed by |
|--------|-------------|-------------|--------------------|-------------|-------------|-------------|
| TTC    | -6          | -1X2        | -EX                | -12DC       | -I          | -P          |
|        | -6P         | -2X1        |                    | -24DC       |             |             |
|        |             | -2          |                    | -48DC       |             |             |
|        |             | -2-HC       |                    | -5DC        |             |             |
|        |             | -2XTVSD     |                    |             |             |             |
|        |             | -3HF        |                    |             |             |             |
|        |             | -3          |                    |             |             |             |
|        |             | -T3         |                    |             |             |             |
|        |             | -4          |                    |             |             |             |



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## Base modules

| Models | followed by | followed by | followed by | followed by | may be followed by | followed by |
|--------|-------------|-------------|-------------|-------------|--------------------|-------------|
| TTC    | -6          | -PT         | -BE         | -0R         | -KS                | -ATD        |
|        |             | -UT         |             | -1R6        | -KS-M              |             |
|        |             |             |             | -3SIGNALS   | -KS-M-EX           |             |
|        |             |             |             |             | -F                 |             |
|        |             |             |             |             | -F-M               |             |
|        |             |             |             |             | -F-M-EX            |             |
|        |             |             |             |             | -F-M-EX2           |             |
|        |             |             |             |             | -EX                |             |
| TTC    | -6P         | -1X2        | -M-EX       | -PT         | -BE                |             |
|        |             | -2X1        | -F-M-EX     | -UT         |                    |             |
|        |             | -3HF        | -EX         |             |                    |             |
|        |             | -3          | (Blank)     |             |                    |             |
|        |             | -4          |             |             |                    |             |

Remote control models TTC-6-FMRS-PT and TTC-6-FMRS-UT.

Listed Accessory Fuse Carrier for Data Protector, Model TTC-6-FC-UT. For use for use only with TTC protectors.



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