

CERTIFICATE OF CONFORMITY



1. **ELECTRICAL EQUIPMENT PER US REQUIREMENTS**

2. **Certificate No:** FM17NUS0022

3. **Equipment:** EI-Clc P Fast Connector
(Type Reference and Name) EI-Clc S Fast Connector

4. **Name of Listing Company:** eltherm production GmbH

5. **Address of Listing Company:** Ernst-Heinkel Str 6-10
57299 Burbach
Germany

6. The examination and test results are recorded in confidential report number:

3051397 dated 15th March 2018

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

IEEE 515:2011, FM Class 3810:2005 , ANSI/IEC 60529:R2011, ANSI/UL 746C:2018

8. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

9. **Equipment Ratings:**

Suitable for use only in ordinary (unclassified) locations. Maximum Voltage rating is 300Vac and Maximum Current rating is 15A with ingress protection IP65. The operating temperature range is -25°C to +100°C.

Certificate issued by:

J.E. Marquedant
VP, Manager, Electrical Systems

15 March 2018

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com

SCHEDULE



to US Certificate Of Conformity No: FM17NUS0022

10. Description of Equipment:

The El-Clic Fast Connector is a device for easy termination of Approved ELSR-NA-... and ELSR-WA-... self-regulating trace heaters in indoor & outdoor ordinary (unclassified) locations. It is manufactured in two versions: as power termination (El-Clic P with attached power cord) and as in line splice (El-Clic S). The El-Clic comes as a polymeric enclosure with hinged lid and embedded blade contacts. The blade contacts are inserted into a movable carrier. The carrier can be fastened with two screws. This motion will drive the blades into the inserted heaters and provide reliable contact. Up to three heaters can be inserted via push-through seals at the front ends of the enclosure. The device can be fitted to pipes and vessels underneath or on top of the thermal insulation by use of cable ties, fitting band or suitable screws.

Technical Data

Enclosure material:	glass filled Polyamide 6.6
Blade contacts material:	CuSn6 (bronze)
Maximum Voltage:	300 VAC
Maximum Current:	15A
Max. Exposure temp.	100°C / 212°F
Min. installation temp.	-25°C / -13°F
IP rating	IP65
Power cord size	3 x 1.5 mm ² H05S-F or 3xAWG 14 SJEOOW rated -50°C to 105°C: UL Listed / CSA Certified

The products ratings are as follows:

EL-Clic a Fast Connector

Maximum Voltage 300V ac; Maximum Current 15A

a = P or S

11. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

12. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

13. Specific Conditions of Use:

1. *This connector shall only be used for terminating the ELSR-NA-... and ELSR-WA-... self regulating trace heaters.*
2. *Minimum installation temperature is -25°C.*
3. *Maximum exposure temperature is 100°C.*
4. *A ground fault protection device must be used with this heating device.*
5. *The minimum and maximum operating temperature range is -25°C to +100°C.*

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to US Certificate Of Conformity No: FM17NUS0022

14. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
15 th March 2018	Original Issue.

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CERTIFICATE OF CONFORMITY



- ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
- Certificate No:** FM17NCA0007
- Equipment:** EI-Clic P Fast Connector
(Type Reference and Name) EI-Clic S Fast Connector
- Name of Listing Company:** eltherm production GmbH
- Address of Listing Company:** Ernst-Heinkel Str 6-10
57299 Burbach
Germany
- The examination and test results are recorded in confidential report number:
3051397 dated 15th March 2018
- FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:
CSA C22.2 No. 130-16:2016, CSA C22.2 No. 0.17:2000,
CSA-C22.2 No. 61010-1:2012, CSA-C22.2 No. 60529:2016
- This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
- Equipment Ratings:**
Suitable for use only in ordinary locations. Maximum Voltage rating is 300Vac and Maximum Current rating is 15A with ingress protection IP65. The operating temperature range is -25°C to +100°C.

Certificate issued by:



J.E. Marquedant
VP, Manager, Electrical Systems

15 March 2018

Date

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to Canadian Certificate Of Conformity No: FM17NCA0007

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Member of the FM Global Group

to Canadian Certificate Of Conformity No: FM17NCA0007

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