



## Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

<b>Manufacturer</b>	<b>KFM-Regelungstechnik GmbH</b>
<b>Address</b>	Planckstrasse 2, Herford, 32052, Germany
<b>Type</b>	Control Units
<b>Description</b>	Industry controller and malfunction display  Types KFM 902, KFM 903, KFM 92, KFM 93, KFM 82 and KFM 826  Software version: KFM 2.0
<b>Trade Name</b>	KFM 902, KFM 903, KFM 92, KFM 93, KFM 82 and KFM 826
<b>Application</b>	Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2002.
<b>Specified Standard</b>	Manufacturer's specification IACS unified requirements E10 (Rev.8 Feb 2021)
<b>Ratings</b>	KFM 902, KFM 903, KFM 92, KFM 93 Power supply: 24/100-250 VAC / 24 VDC Inputs: max. 4 measuring inputs, acc. to sub-type:

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

**Thorsten Wolff**

Electrical & Control - Senior Specialist to  
Lloyd's Register EMEA  
A member of the Lloyd's Register group

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- Pt 100, thermo couple, feedback device
- standard signal 0(4) to 20mA, 0(2) to 10V
- up to 20 binary inputs 0/5 to 24Vdc or 230V AC measuring line monitoring

Outputs: up to 8 relays with potential free change over switch  
KFM 82, KFM 826  
Power supply: 24/100-250 VAC / 24 VDC  
Input current: 2mA  
Operating and fault display input: max. 230 VAC / 24VDC  
Relay output: 230V / max. 2A

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

**Previous Version:** 13/20049 (E1)

The Design Appraisal Document HPC1862148-23/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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