



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 05/20027 (E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER

Trafag AG
Industriestrasse 11
CH-8608 Bubikon
Switzerland

**PLACE OF
PRODUCTION**

Trafag spol. s.r.o.
Vilemovska 2129
CZ-34701 Tachov
Czech Republic

DESCRIPTION

Temperature switch

TYPE

PICOTHERM

474.03.xx.yyy.zz.vvvv.wwww.tt

xx = range (20, 23, 31)

yyy = sensor type (322)

zz = execution (00 – max. 3000 mm)
14 – max. 150 mm)

vvvv = protection tube (8316, 1416)

wwww = length protection tube (0150, 0065, 0110)

tt = accessories (58, V3)

Certificate No.

05/20027 (E2)

Issue Date

07 May 2015

Expiry Date

26 April 2020

Sheet

1 of 2



Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Lloyd's
Register

APPLICATION	Marine applications for use in environmental categories ENV1, ENV2 and ENV4 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2002.
ADDITIONAL TEST	Dry heat (70°C / 2 hrs) Low temperature (-25°C / 2 hrs)
DESIGN CODE	Manufacturer's specification

"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."

The attached Design Appraisal Document No. HTS/ETS 31635-15 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 05/20027 (E1) to which this extension should be attached.

Certificate No.	05/20027 (E2)
Issue Date	07 May 2015
Expiry Date	26 April 2020
Sheet	2 of 2



Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.