

Type Approval Certificate



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

Certificate No. **48 468 - 69 HH**

Company **Trafag AG**
Industriestraße 11
8608 Bubikon, SWITZERLAND

Product Description **Temperature Switch (Thermostat)**
Temperature Switch with Locking

Type **471.2331.322, 471.2331.332, 471.2331.342, 472.2323.322, 471.2323.332,**
471.2323.342 (Thermostat); 472.12xx.xxx (Temperature Switch with Locking)

Environmental Category **D, EMC1**

Technical Data /
Range of Application **Temperature range: 20 °C to 150 °C (thermostat)**
Type 471.2331.322: sensor length 128 mm, sensor diameter 7 mm
Type 471.2331.332: sensor length 89 mm, sensor diameter 9 mm
Type 471.2331.342: sensor length 42 mm, sensor diameter 12 mm
Type 472.12xx.xxx: the same specification as for thermostat
Time constant: 35 s with protection pocket and heat compound
Temperature range: 20 °C to 110 °C (thermostat)
Type 471.2323.322: sensor length 128 mm, sensor diameter 7 mm
Type 471.2323.332: sensor length 89 mm, sensor diameter 9 mm
Type 471.2323.342: sensor length 42 mm, sensor diameter 12 mm
Type 472.12xx.xxx: the same specification as for thermostat
Time constant: 20 s with protection pocket and heat compound
Output: 1 c/o -contact, rating: 10 A, 250 V AC
Degree of protection: IP 65
Type 47x.xxxx.K: sensor with direct mounted protection tube
Type 47x.xxxx.B: sensor with capillary tube, length 1m, 2m or 3m

Test Standard **Guidelines for the Performance of Type Approvals, Chapter 2, Edition 2012**

Documents **Data sheet: H72111h**
Test report: V-620
Drawings: R 93159, R 93160, R 93176, R 93177

Remarks **None**

Valid until **2019-03-26**

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File No. **I.D.02**

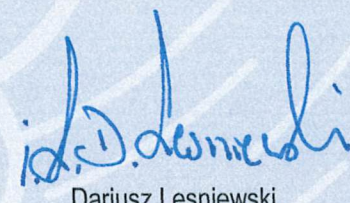
Hamburg, 2014-03-27

Type Approval Symbol



Germanischer Lloyd


Marco Rinkel


Dariusz Lesniewski