

CERTIFICATE

The company

**PMA Prozeß-
und Maschinen-Automation GmbH**

Miramstraße 87
34123 Kassel
GERMANY

hereby receives the confirmation that the product/s

Temperature control and limiting devices for heat generating systems

of the type

KS 4(0,1,2)-1 / KS 50-1

conforms to

DIN EN 14597:2005-12

**Certification scheme Temperature control and limiting devices for heat generating systems
(Edition: 2009-01)**

and is granted the licence to use the mark



in conjunction with the Registration No. below.

Registration No.: TR1132

This Certificate is valid until 2016-06-30.

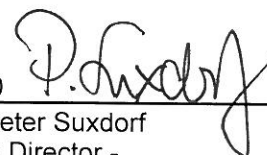
See annex for further information.

DIN CERTCO Gesellschaft für
Konformitätsbewertung mbH
Alboinstraße 56, 12103 Berlin



2011-11-30

Dipl.-Ing. Peter Suxdorf
- Managing Director -



Annex

to the Certificate with Registration No. TR1132, dated 2011-11-30

Technical data

Construction:	Electrically temperature control
Switching difference:	0 ... 500 °C (sensor-dependent)
Ambient temperature:	0 ... 60 °C
Proportional range:	xp = 1 ... 9999 (adjustable)
Nominal voltage:	90 ... 250 V AV; 20,4 ... 26,4 V AC; 18 ... 31 V DC

Type description

Evaluation unit: KS 40x-1 und KS 5x-1

PT-100 temperature sensor:

90.239, 90.240,

90.239 - F 21, 90.239 - F 22, 90.239 - F 27, 90.239 - F 03

90.272 - F 03, 90.272 - F 02

90.271 - F01, 90.272 - F01, 90.273 - F 01

Testing laboratory / Inspection body

TÜV Rheinland
Energie und Umwelt GmbH
Test Centre for
Energy Appliances
Am Grauen Stein
51105 Köln

Test report(s)

T 20 2007 T4 dated 2008-06-06

T 41 2010 A4 dated 2010-05-19

T 41 2011 A5 dated 2011-05-26

T 20 2011 E6 dated 2011-10-31

T 20 2011 Z7 dated 2011-11-08