



**TYPE APPROVAL CERTIFICATE**

No.  
**ELE086320XG/001**

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Temperature switches</b>
<i>Type</i>	<b>KP, KPS</b>
<i>Applicant</i>	<b>DANFOSS A/S Nordborgvej 81 DK-6430 Nordborg (office E14-S1) DENMARK</b>
<i>Manufacturer</i>	<b>Danfoss Poland Sp. Z O.O.</b>
<i>Place of manufacture</i>	<b>UL. Chrzanowska 5, PL-05-825 Grodzisk Mazowiecki POLAND</b>
<i>Reference standards</i>	<b>Rules for the Classification of Ships - Part C - Machinery, Systems and fire protection - Ch.3, Sect.6, Tab.1.</b>

*Issued in* **HAMBURG** on **July 15, 2020**. *This Certificate is valid until* **July 14, 2025**

\_\_\_\_\_  
**RINA Services S.p.A.  
Giuseppe Russo**

This certificate consists of this page and 1 enclosure

## TYPE APPROVAL CERTIFICATE

No.

ELE086320XG/001

Enclosure - Page 1 of 1

KP, KPS

### Temperature switches Series KP

Type	lowest setting °C	highest setting°C	Differential
KP61	-20 → +60	10 → 40	2.7 → 13
KP61	-20 → +55	8 → 40	2.2 → 13
KP61	-20 → +60	11 fixed	3.6 fixed
KP62	-20 → +60	10 → 40	2.7 → 13
KP62	-20 → +60	9 → 36	3.6 → 14.5
KP63	-60 → +15	18 → 25	4.9 → 15
KP68	25 → 95	8 → 45	3.2 → 13
KP71	25 → 70	4.5 → 18	4 → 18
KP71	25 → 70	5.4 fixed	5.4 fixed
KP73	-15 → 60	8 → 36	6.3 → 38
KP73	-15 → 60	22 → 125	15 → 45
KP73	-15 → 60	9 → 18	6.5 → 18
KP73	0 → 80	10 → 35	10 → 35
KP75	32 → 95	6.3 → 29	4.5 → 22
KP77	70 → 140	6.3 → 18	5.4 → 18
KP79	120 → 210	9 → 27	9 → 27
KP81	175 → 300	16 → 36	14.5 fixed
KP81	175 → 300	18 fixed	18 fixed
KP98	140 → 250	25 fixed	
KP98	210 → 350	45 fixed	
KP98	30 → 90	22 fixed	
KP98	210 → 350	45 fixed	

### Temperature switches Series KPS

Type	Setting range (°C)	Differential (°C)
KPS 76	-10 → -30	3 → 10
KPS 77	20 → 60	3 → 14
KPS79	50 → 100	4 → 16
KPS79	60 → 100	4 → 16
KPS79	50 → 100	9 fixed
KPS80	70 → 120	4.5 → 18
KPS81	60 → 150	5 → 25
KPS83	100 → 200	6.5 → 30
KPS83	100 → 200	18 fixed

### Reference Documents

Danfoss catalogue n° RK.OX.E1.22

*This certificate replace the previous certificate ELE004815XG/002.*

**HAMBURG July 15, 2020**

