



Danfoss Compact Pressure and Temperature Control

Danfoss A/S, DK-6430 Nordborg, Denmark,
Tel. +45 7488 2222, Fax +45 7449 0949
www.danfoss.com

- Covers your needs for regulating, monitoring and alarm systems
- Now available with different IP grades of enclosures

KP/KPI compact pressure and temperature controls

Wherever monitoring and controlling of temperature and pressure is needed these robust and reliable controls are suitable. KP/KPI switches are space saving units for both alternating current and direct current, with a wide regulating range and ultra-short bounce time.

- **The KP series** are recommended for gaseous media (also water, but only when mounted directly on the pipe – do not use capillary tube mounting).
- **The KP 44 series** are designed for use as a pump guard to control and protect supply water pumps from running dry.
- **The KPI series** are suitable in installations where a smaller differential pressure is needed. Can be capillary tube mounted.
- **The standard series of KP/KPI** are available with an IP 33 grade of enclosure by mounting the unit on a flat surface.

Pressure switches, type KP/KPI

Setting Range pe (bar)	Differential (bar)	Permissible Opera- ting Pressure pe (bar)	Max. test Pressure (bar)	Pressure connection	Contact material	Code no.	Type
-0.2 to 7.5	0.7 to 4	17	22	G ¼ A	Ag	060-113366	KP 35
2 to 14	0.7 to 4	17	22	G ¼ A	Ag	060-110866	KP 36
-0.2 to 8	0.4 to 1.5	18	18	G ¼ A	Ag	060-121766	KPI 35
4 to 12	0.5 to 1.6	18	18	G ¼ A	Ag	060-118966	KPI 36
8 to 28	1.8 to 6	30	30	G ¼ A	Ag	060-508166	KPI 38



Pressure switches type KP 44

Setting Range pe (bar)	Differential (bar)	Permissible Opera- ting Pressure pe (bar)	Max. test Pressure (bar)	Pressure connection	Contact material	Code no.	Type
2 to 12	0.7 to 4	LP/HP: 17	22	2 x G ¼ A	Ag	060-001366	KP 44



Thermostats, type KP

Setting Range (°C)	Differential (°C)	Max. sensor Temperature(°C)	Capillary tubeLengthm	Contact material	Code no.	Type
0 to 40	3 to 10	80	Room sensor	Ag	060L121266	KP 75
30 to 90	5 to 15	150	2	Ag	060L118466	KP 78
50 to 100	5 to 15	150	2	Ag	060L112666	KP 79
80 to 150	7 to 20	200	2	Ag	060L112566	KP 81



IP 44 grade of enclosure is obtained by mounting the unit on a flat surface and then fitting a top cover – code no. 060-109766.

Pressure switch, type KP available with an IP55 grade of transparent enclosure

Setting Range pe (bar)	Differential (bar)	Permissible Opera- ting Pressure pe (bar)	Max. test Pressure(bar)	Pressure connection	Contact material	Code no.	Type
-0.2 to 7.5	0.7 to 4	17	22	G ¼ A	Ag	060-538666	KP 35
2 to 14	0.7 to 4	17	22	G ¼ A	Ag	060-538766	KP 36



Thermostat, type KP with rigid sensor G ½ A, stainless steel, 150 mm in IP55 grade enclosure (blank)

Setting Range (°C)	Differential (°C)	Max. sensor Temperature(°C)	Contact material	Code no.	Type
30 to 90	5 to 15	150	Ag	060L122966	KP 78



IP55 grade of enclosures for other types can be obtained by mounting an IP33 version in an IP55 enclosure either with blank cover, code no. 060-033066 or transparent cover (in applications where the range settings has to be visible) code no. 060-062866.

More information can be obtained at your local Danfoss supplier.