ENGINEERING
TOMORROW

Product overview | Switches

Switch to a **reliable solution** **Approved** by the toughest

Wide range of Danfoss Pressure switches and Thermostats.

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International approvals ensures that you build in approved quality in your system

IndustrialSwitches.danfoss.com

Switches
overview

			Pressure switches							Differential pressure switches				Temperature switches			
Type	Standard		KP/KPI	BCP	RT	MBC	KPS	CAS	CS	MBC	CAS	RT	KP	RT	MBC	KPS
Segments	Marine and railway equipment				✔	✔	✔	✔		✔	✔	✔			✔	✔
	Industrial boilers and boiler room equipment		✔	✔	✔							✔	✔	✔		
	Autoclaves and sterilisers		✔	✔	✔							✔	✔	✔		
	Water pumps and air compressors		✔		✔				✔	✔	✔	✔	✔	✔	✔	
	Hydraulic equipment		✔		✔	✔	✔	✔		✔			✔		✔	
	Windmills					✔	✔	✔		✔			✔		✔	✔
Characteristics	Setting range		-0.2 – 28 bar	0 – 40 bar	1 – 30 bar	-0.2 – 400 bar	0 – 60 bar	0 – 60 bar	2 – 20 bar	0.3 – 5 bar	0.2 – 2.5 bar	0 – 11 bar	0 – 150 °C	-60 – 300 °C	-10 – 200 °C	-10 – 200 °C
	Contact system		SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	TPST and SPST	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT
	Electrical rating	AC-3	16 / 6 A, 400 V		4 A, 400 V		6 A, 400 V		12 A, 400 V			4 A, 400 V	16 A, 400 V	4 A, 400 V		6 A, 400 V
		AC-15	10 / 4 A, 400 V	1 A, 250 V	3 A, 400 V	0.5 A, 250 V	4 A, 400 V	0.1 A, 220 V		0.5 A, 250 V	0.1 A, 220 V	3 A, 400 V	10 A, 400 V	3 A, 400 V	0.5 A, 250 V	4 A, 400 V
	Electrical connection		Screw terminals	DIN plug	Screw terminals	DIN plug	Screw terminals	Screw terminals	Screw terminals	DIN plug	Screw terminals	Screw terminals	Screw terminals	Screw terminals	DIN plug	Screw terminals
	Contact material		Silver or Gold	Gold	Silver or Gold	Silver	Gold	Silver	Silver	Silver	Silver	Silver or Gold	Silver	Silver or Gold	Silver	Gold
	Differential		Adjustable	Adjustable	Adjustable	Fixed	Adjustable	Fixed	Adjustable	Fixed	Fixed	Fixed	Adjustable	Adjustable	Fixed	Adjustable
	Special approvals		Marine	TÜV	Marine, TÜV	Marine	Marine, UL	Marine		Marine	Marine	Marine	Marine, UL	Marine	Marine	Marine, UL
	Degree of enclosure		IP30, IP44 or IP55	IP65	IP66 or IP54	IP65	IP67	IP67	IP43 or IP55	IP65	IP67	IP66	IP30, IP44 or IP55	IP66 or IP54	IP65	IP67
	Design		Box	Box industrial	Box industrial	Compact	Box heavy duty	Box heavy duty	Box	Compact	Box heavy duty	Box industrial	Box	Box industrial	Compact	Box heavy duty
	Adjustable neutral zone				✔							✔		✔		

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Switch to a **reliable supplier**

When it comes to demanding applications, our know-how and expertise is unsurpassed. Danfoss' robust switches offer flawless performance day after day—and are trusted as durable and reliable solutions in some of the most challenging environments across a variety of industries and applications.

Marine and railway equipment

Our control solutions help prevent dangerous, costly, and time-consuming failures in trains and ships.

- Temperature and pressure control and alarms in lubrication systems
- Pressure control for air compressors
- Essential safety control for trains

Industrial boilers and boiler room equipment

Rely on the accurate monitoring of steam and hot water installations, heat exchangers, and water treatment equipment.

- Safety-approved controls
- Reliable alarms and safety functions

Autoclaves and sterilizers

Get high repeatability and trustworthy performance for the precise control and safety of temperature and pressure in the autoclave process.

- Process chamber pressure control and alarm
- Steam supply pressure control
- Door sealing check

Water pumps and air compressors

Keep a consistent pressure and continuous flow in water pumps and air compressors.

- Monitoring and direct start/stop or single or three-phase motors
- Dry-run pump protection

Hydraulic equipment and windturbine

Get precise alarm indication, shut down, control, and diagnostics in a variety of intense and demanding application environments.

- Cooling and lubrication systems for generators and gearboxes
- Hydraulic unit, e.g., disk brakes and pitch cylinders
- Power packs

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