Danfoss is a leading global player within the development and production of mechanical and electronic products and controls. Since 1933, our extensive know-how has made modern life easier and we continue to break new ground within our core business areas.

Every day, more than 250,000 items are produced at 70 factories in 25 countries. Impressive as these figures are, we are most proud of the way our dedicated employees apply the high-quality components in customer solutions, adding value to the end products. Building strong partnerships is of great importance to us, because it is purely by understanding our customers’ needs that we can meet the expectations of tomorrow.

This is also true in Industrial Automation, a Danfoss entity dedicated to focusing on the industrial world of today. Through us, you gain access to the entire Danfoss pool of technologies, with special emphasis on sensors and controls. We offer safer, more reliable and more efficient solutions in a close cooperation based on firm values.

Learn more at www.danfoss.com/ia

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Low differential switching
Pressure and temperature controls
have either fixed or adjustable
differential settings, good
readability, and high accuracy of
range setting with use of the scale.

Bellows technology
The lifetime of a pressure and
temperature switch is determined
by the quality of the bellows. Using
advanced technology, and being
worldwide, Danfoss bellows
are manufactured without any welding
points, which makes them strong
and completely tight.

Designed for various applications
Danfoss offers a wide range of
suitable applications and connections.

Snap action contacts
All contacts are “snap action” types
maintaining the contact force until
the moment of contact break. Units
with gold-plated contacts are ideal
for low electrical loads while the
silver-cadmium contacts are
developed for high loads.

15 international approvals
Danfoss offers a wide range of
approvals suited for specific
applications and geographical markets.

Wide pressure ranges
The programme covers working
ranges from -1 bar up to 400 bar.

High reliability
All switches feature high
reliability, repeatability and
stability over time.

Different sensing elements
As experts in charging
technologies, Danfoss offers
temperature switches that
operate in a wide temperature range.

High vibration stability
Outstanding vibration stability in
switches ensures flawless operation
even in heavy-duty applications.

Approved by the toughest
Wide range of Danfoss Pressure switches and Thermostats

International approvals ensure that you build in
approved quality in your system.

15 international approvals

Ongoing development of new
technology and new features is at
the very heart of Danfoss. We want
our switches to be among the very
best on the market – living up to
your expectations.
### Choose the optimal solution

#### Pressure switches

- **Type**: BCP, RT, BPC, CAS, CS, MBC, CAS
- **Setting range**: 12 – 30 bar
- **Electrical connection**: Screw terminals, DIN plug
- **Contact material**: Silver or Gold
- **Temperature range**: -60 – 300 °C

#### Differential pressure switches

- **Type**: BCP, RT, BPC, CAS, CS, MBC, CAS
- **Setting range**: 0 – 60 bar
- **Electrical connection**: Screw terminals, DIN plug
- **Contact material**: Silver or Gold
- **Temperature range**: -10 – 200 °C

#### Temperature switches

- **Type**: MBC, KPS
- **Setting range**: 0 – 11 bar
- **Electrical connection**: Screw terminals, DIN plug
- **Contact material**: Silver or Gold
- **Temperature range**: 10 / 4 A, 400 V

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### Industrial applications

- **Marine and railway equipment**
  - For applications requiring high reliability and durability.
- **Industrial boilers and boiler room equipment**
  - Suitable for demanding environments.
- **Water pumps and air compressors**
  - Robust design for industrial use.
- **Hydraulic equipment**
  - Suitable for high-pressure applications.
- **Industrial pumps and air compressors**
  - Ideal for demanding conditions.

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### Characteristics

- **Type**: MBC, KPS
- **Contact system**: SPDT
- **Setting range**: 0 – 11 bar
- **Electrical connection**: Screw terminals, DIN plug
- **Contact material**: Silver or Gold
- **Temperature range**: 10 / 4 A, 400 V

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### Breakdown

- **Marine and railway equipment**
  - Essential safety control on trains – type RT and CAS
  - Reliable alarm and safety functions – type BCP, RT and KP
  - Safety approved pressure controls – type BCP and RT
  - Monitoring and direct start/stop of single or three phase motors – type MBC, KP/KPI and RT

### Additional benefits

- **Reliability**
  - Flawless performance day after day and are trusted in the most challenging situations in a variety of industries and applications, of which some are mentioned in the following.

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### Conclusion

- **Choose a reliable supplier**
  - When it comes to demanding applications, Danfoss has the know-how and expertise is unsurpassed. Our robust switches offer high control and safety are essential within the automotive process. Danfoss’ program for marine high-pressure hot water boilers includes safety approved pressure controls – type BCP and RT. Pressure controls of steam supply – type BCP and RT. Control and alarm of pressure in the process chamber – type BCP and RT.