

Pressure controls series PS3/PSC special types

Features

- Maximum allowable pressure up to 45 bar / test pressure up to 50 bar
- For direct mounting on a pressure connection (free standing) or with a capillary tube
- Direct mounting reduces the number of joints and thus avoids potential leakage
- Direct mounting saves cost for flexible hose and additional fittings
- Precise setting and repeatability
- High temperature version with snubber, for direct compressor mounting (range 6)
- Micro switch for narrow pressure differentials
- Gold plated contacts for low voltage / current applications
- Worldwide approvals
- Easy mounting
- Housing with integrated console for free-standing installation
- Low pressure switch with automatic or manual reset
- High pressure switch with automatic or manual reset, standard or high temperature version
- Pressure limiter PSH - standard or high temperature version
- Pressure cut-out PZH - external reset, standard or high temperature version
- Safety pressure cut-out PZHH - internal reset, standard or high temperature version
- Cables with plug in lengths of 1.5m, 3.0m and 6.0m available. No additional gasket required.
- Appliance socket DIN 43650
- Electrical contact single pole double throw
- Electrical micro switch single pole double throw (SPDT)
- Gold plated contacts upon request
- According to agreed specification, 100 pieces packaging



Standards

- per Low Voltage Directive
- per PED Directive TÜV appr. versions only
- Underwriter Laboratories (File No. E85974) (Released for 43 bar)

Pressure connections

- S: 7/16"-20UNF, female with Schrader opener and snubber (snubber only with high temperature diaphragm)
- A: 7/16"- 20UNF, 1/4" SAE male
- U: 6 mm solder. 80 mm length. ODF
- X: 1/4" solder. 80 mm length. ODF
- K: 1 m capillary tube with 1/4" SAE flare nut and Schrader opener
- L: 1 m capillary tube and 1/4" ODM solder connector

Technical data

Protection According to EN 60529 / IEC 529	IP 00 IP 30 with Terminal Cover IP 65 with PS3-Nxx Cables with Plug or Plug DIN 43650
Inductive Load (AC15)	3 A / 230V AC 1.5 A with Microswitch Standard 0.1 A with Gold Plated Contacts
Inductive Load (DC)	0.1 A / 230V DC
Motor Rating Amps (FLA)	6 A / 120/240V AC 2.5 A with Microswitch

Lock Rotor Amps (LRA)	36 A / 120/240V AC 15 A with Microswitch
Temperature Range TS Ambient. Storage and Transportation Medium	-40 ... 70°C -40 ... 70°C (150°C Range 6)
Pressure Range PS	- 0.6 .. 43 bar
Type of Contacts	1 SPDT
Medium Compatibility	HFC, HCFC, HFO/HFO Blends (refrigerant safety group A1)

Note: For more information see the technical bulletin of PS3