

Pressure Controls Series PS3 / Standard Types

Fixed Settings in Single Packaging

Features

- Maximum allowable pressure up to 45 bar / test pressure up to 50 bar
- High and low pressure switches
- High temperature version with snubber for direct compressor mounting (range 6)
- Direct mounting reduces the number of joints and thus avoiding potential leakage
- Precise setting and repeatability
- IP 65 protection if used with PS3-Nxx cables with plug (acc. EN 175301-803), no additional gasket required (molded into plug)
- Cables with plug to be ordered separately



PS3

Standards

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

Selection Table PS3- Standard Types

Pressure Control Type	Part No.	Fixed setting		Reset	Max. Temperature		Leakage Test Pressure (bar)	Pressure Connection
		Cut-out (bar)	Cut-in (bar)		Ambient (°C)	Pressure Connection (°C)		
High Pressure Controls								
PS3-A6S	0 715 603	16.0	11.0	Auto	+70	+150	50	7/16"-20UNF Female Thread with Schrader Opener
PS3-A6S	0 715 604	19.0	15.0					
PS3-A6S	0 715 600	26.5	22.5					
Low Pressure Controls / Pressure Limiter for Low Pressure Protection PSL TÜV / EN 12263								
PS3-W1S	0 714 760	-0.3	1.2	Auto	+70	+70	30	7/16"-20UNF Female Thread with Schrader Opener
PS3-W1S	0 714 761	0.3	1.8					
PS3-W1S	0 714 762	2.0	3.5					
Pressure Limiter for High Pressure Protection PSH with snubber for direct compressor mounting TÜV / EN 12263								
PS3-W6S	0 715 831	14.0	10.0	Auto	+70	+150	50	7/16"-20UNF Female Thread with Schrader Opener and Snubber
PS3-W6S	0 715 556	21.0	16.0					
PS3-W6S	0 715 555	25.0	20.0					
PS3-W6S	0 715 567	29.0	23.0					
PS3-W6S	0 715 550	33.5	27.5					
PS3-W6S	0 715 553	40.0	33.0					
Pressure Cut-Out for High Pressure Protection PZH with Snubber for Direct Compressor Mounting TÜV / EN 12263								
PS3-B6S	0 715 568	19.2	Approx. 5 Bar Below Cut-out	External Manual Reset	+70	+150	50	7/16"-20UNF Female Thread with Schrader Opener and Snubber
PS3-B6S	0 715 564	22.7						
PS3-B6S	0 715 563	27.3						
PS3-B6S	0 715 569	29.5						
PS3-B6S	0 715 560	36.0						

Accessories Cable Assemblies

Temperature Range	Type	Part No.	Length (mtr.)	Leads
-50...80°C / No UL	PS3-N15	804 580	1.5	3 x 0.75 mm ²
	PS3-N30	804 581	3.0	
	PS3-N60	804 582	6.0	



Plug According to EN 175301	Part No.
PG9	801 012
PG11	801 013

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)	3A / 230V AC
Inductive load (DC)	0.1A / 230V DC
Motor rating amps (FLA)	6A / 120/240V AC
Lock rotor amps (LRA)	36A / 120/240V AC

*Note: For high temperature applications, i. e., medium temperatures between 70 °C and 150 °C, the maximum ambient temperature must be derated as per drawing. E.g.: on medium temperature 120 °C the ambient temperature of 55 °C around the switch housing should not be exceeded.

Temperature Range TS * Ambient. Storage and Transportation Medium	-40 °C .. 70 °C -40 °C .. 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)

