



Advantages

- Integration of safety valve, drain function and pressure measurement in a single housing
- Availability of pressure switch and pressure sensor versions to support different control concepts
- Simplified system design through reduced number of components
- Reduced potential leakage risk due to fewer connection points
- Compact design suitable for applications with limited installation space
- 48 different variants within one product family

Features

- Integrated safety valve function for controlled pressure relief
- Drain function for service and maintenance operations
- Defined switching points in pressure switch versions
- Continuous and proportional pressure measurement in pressure sensor versions
- Multiple pressure ranges, electrical outputs and connection types available
- Design suitable for heating and hydronic system applications

Product Details

Main

Medium	Heating water, water, air
Measuring range	0 ... 400 kPa / 4 bar
Max pressure	> 0.3 MPa / 3 bar
Liquid temperature (water)	+2 °C ... +90 °C (max. 120 °C for 10 minutes above lifetime)
Ambient temperature	-10 °C ... +70 °C
Storage temperature	-40 °C ... +70 °C
Pressure relief function	Opening pressure 3.0 bar / closing pressure 2.8 bar
Drain function	Flow rate 4 L/min at 2 bar
Connection	Turnable, Screw-fix, Clips
Test pressure	4.5 bar

Sensor Type

Characteristic / Tolerance* at Vcc = 5.00 VDC Ideal characteristic	Uout [V] = 0,50 [V/bar] x applied pressure [bar] + 0,50 [V] (req. optional)
Material housing	PA66 %40GF
Supply voltage	5 VDC ±0.25 V(ratiometric)
Maximum power consumption	< 10 mA (7.5 mA typ)
Output signal (Ideal characteristic) → at 0 bar / → at 4,0 bar	Proportional analog voltage → 0,50 V / → 3,5 V
Cable connector	Rast 2.5; 3-pole

Switch Type

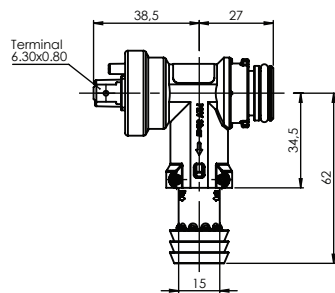
Setting Interval	0,5 ÷ 1.5 bar
Fix Differential	0,3+/-0,1 bar
Electric Connection	Terminal 6,3x0,8
Electric Intervation	SPDT → 10(2) A - 250 Vac SPST-C → 10(2) A - 250 Vac SPST-NO → 10(2) A - 250 Vac

Variations

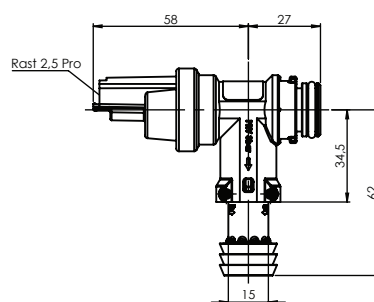
	Code	Brand	Working	Connection Type	Outlet
Integrated Series	IS-S1-TH	ZEPPLIN	Switch	Turnable	Hose
	IS-S1-TT	ZEPPLIN	Switch	Turnable	Thread
	IS-S1-SH	ZEPPLIN	Switch	Screw-fix	Hose
	IS-S1-ST	ZEPPLIN	Switch	Screw-fix	Thread
	IS-S1-CH	ZEPPLIN	Switch	Clips	Hose
	IS-S1-CT	ZEPPLIN	Switch	Clips	Thread
	IS-T1-TH	ZEPPLIN	Transducer	Turnable	Hose
	IS-T1-TT	ZEPPLIN	Transducer	Turnable	Thread
	IS-T1-SH	ZEPPLIN	Transducer	Screw-fix	Hose
	IS-T1-ST	ZEPPLIN	Transducer	Screw-fix	Thread
	IS-T1-CH	ZEPPLIN	Transducer	Clips	Hose
	IS-T1-CT	ZEPPLIN	Transducer	Clips	Thread
Selective Housing Series	SH-N1-TH	ZEPPLIN	None	Turnable	Hose
	SH-N1-TT	ZEPPLIN	None	Turnable	Thread
	SH-N1-SH	ZEPPLIN	None	Screw-fix	Hose
	SH-N1-ST	ZEPPLIN	None	Screw-fix	Thread
	SH-N1-CH	ZEPPLIN	None	Clips	Hose
	SH-N1-CT	ZEPPLIN	None	Clips	Thread
Selective Series	SS-S2-TH	GTE	Switch	Turnable	Hose
	SS-S2-TT	GTE	Switch	Turnable	Thread
	SS-S2-SH	GTE	Switch	Screw-fix	Hose
	SS-S2-ST	GTE	Switch	Screw-fix	Thread
	SS-S2-CH	GTE	Switch	Clips	Hose
	SS-S2-CT	GTE	Switch	Clips	Thread
	SS-T2-TH	GTE	Transducer	Turnable	Hose
	SS-T2-TT	GTE	Transducer	Turnable	Thread
	SS-T2-SH	GTE	Transducer	Screw-fix	Hose
	SS-T2-ST	GTE	Transducer	Screw-fix	Thread
	SS-T2-CH	GTE	Transducer	Clips	Hose
	SS-T2-CT	GTE	Transducer	Clips	Thread
	SS-M2-TH	GTE	Manometer + Transducer	Turnable	Hose
	SS-M2-TT	GTE	Manometer + Transducer	Turnable	Thread
	SS-M2-SH	GTE	Manometer + Transducer	Screw-fix	Hose
	SS-M2-ST	GTE	Manometer + Transducer	Screw-fix	Thread
	SS-M2-CH	GTE	Manometer + Transducer	Clips	Hose
	SS-M2-CT	GTE	Manometer + Transducer	Clips	Thread
	SS-S1-TH	ZEPPLIN	Switch	Turnable	Hose
	SS-S1-TT	ZEPPLIN	Switch	Turnable	Thread
	SS-S1-SH	ZEPPLIN	Switch	Screw-fix	Hose
	SS-S1-ST	ZEPPLIN	Switch	Screw-fix	Thread
	SS-S1-CH	ZEPPLIN	Switch	Clips	Hose
	SS-S1-CT	ZEPPLIN	Switch	Clips	Thread
	SS-T1-TH	ZEPPLIN	Transducer	Turnable	Hose
	SS-T1-TT	ZEPPLIN	Transducer	Turnable	Thread
	SS-T1-SH	ZEPPLIN	Transducer	Screw-fix	Hose
	SS-T1-ST	ZEPPLIN	Transducer	Screw-fix	Thread
	SS-T1-CH	ZEPPLIN	Transducer	Clips	Hose
	SS-T1-CT	ZEPPLIN	Transducer	Clips	Thread

Technical Drawing

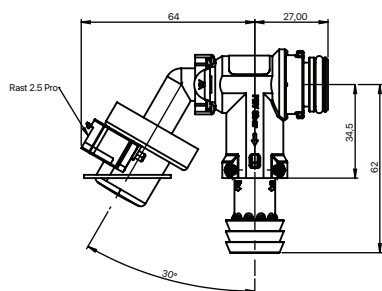
Product



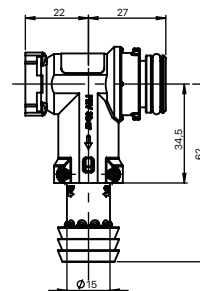
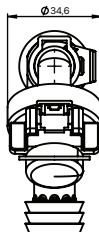
Switch Type



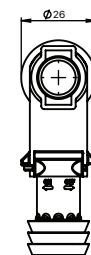
Sensor Type



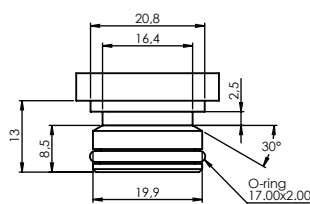
Sensor+Manometer Type



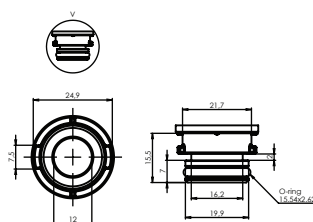
Selective Housing Type



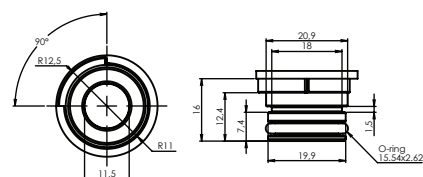
Connection Port



Turnable

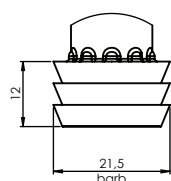


Screw-fix

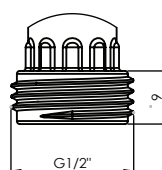


Clips

Drain Port



Hose



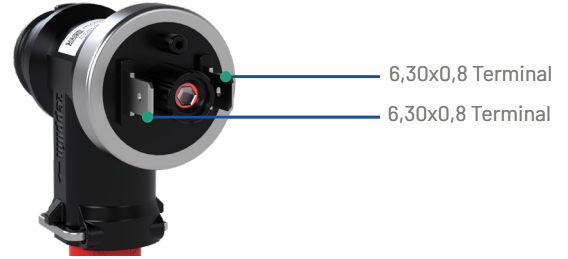
Screw

Electrical Part

- Sensor Type: Rast 2,5 Pro



- Switch Type: 6,30x0,8 Terminal



- Sensor+Manometer Type: Rast 2,5 Pro



Marking

PS Open 0.5bar - Close 1.5bar	Pressure Switch & Sensor Value
PRV Open 3bar - Close 2.8bar	Safety Valve Value
DV Adaptable - In 2bar 4lt/m	Drain Valve Value
 190.051.126 2024/18 	Unique Serial Number QR
Designed In Türkiye	