



## Pressure Switch for capacitor monitoring:

- Reliable performance
- Operation in rough environmental conditions
- Suitable for mobile application
- Operation in temperature -55°C up to 100°C
- Constant contact resistance of low mΩ
- Solid silver contact, optional gold plated
- Stainless steel membrane
- High corrosion resistance of all materials
- Compact design

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## ***Performed tests***

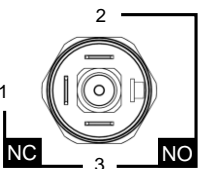
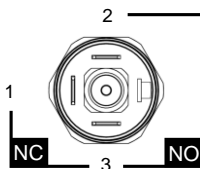
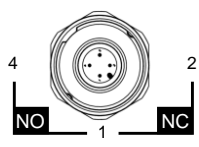
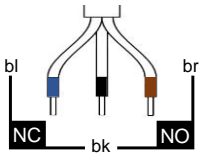
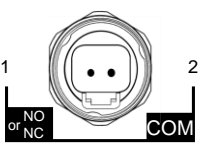
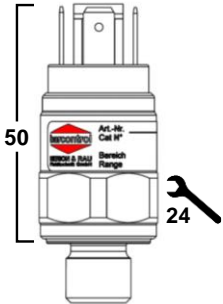
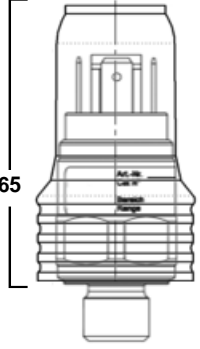

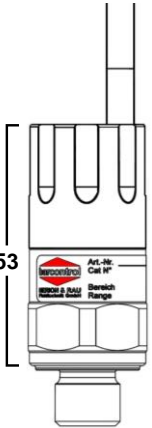
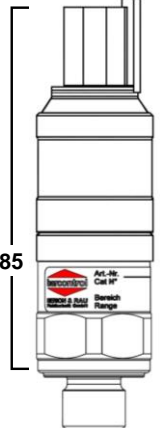
Shock + Vibration:	BS EN 60068-2-6:2008 ; BS EN 60068-2-27:2007 10g (10...2000Hz sinus) acc. ISO 16750-3 30g, 14ms shaped sinus acc. DIN 40046, T7
Sea air:	Salt mist test BS EN 60068-2-52:1996 at severity 2
Lifecycle:	IEC60068-2-14 in temperature range -50°C to +80°C over several hundreds cycles ( <i>simulating 30 years service life</i> )

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## ***Technical data***

Mechanical installation:	over fluid connection
Mounting position:	any
Switch point:	pre-adjusted between 0,3bar and 1,5bar
Max. system pressure:	3bar
Burst pressure:	>5 bar (**up to 20bar)
Material:	
- Housing:	stainless steel
- Membrane:	stainless steel
Temperature range:	up to -55°C...+100°C (medium / ambient / storage)
Life cycles, mech.:	>5000 cycles
Switching element:	snap action micro switch with self cleaning contacts
Switching contact rivet:	solid silver, optional gold plated
Protection class:	IP00...IP68 depending on the used electrical connection
CE-mark:	acc. to EU-standards: 2014/35/EU (LVD), 2011/65/EU (RoHS)
Weight:	~0,1kg

## Electrical connection data – dimensions

Faston 6,3x0,8 IP00	With rubber protection cap IP54	M12x1 IP67	Cable outlet IP67	Deutsch DT04-2P IP67
				
				

## Electric power

Solid silver contacts: max. 48V / 2A  
 Gold plated contacts: max. 48VDC / 50mA  
 Switch voltage frequency: 50/60Hz alternative DC

*For higher voltages and loads the switches can be designed for voltages up to 250V and loads up to 5A*

## Notes

*The design of CDL can be highly customized for your application. Please contact us to discuss your demands.*