



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

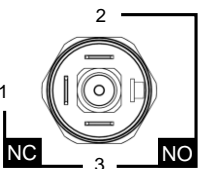
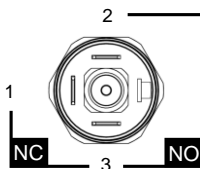
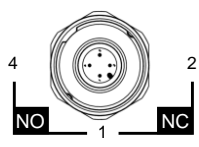
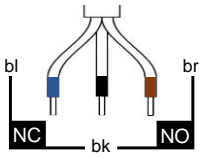
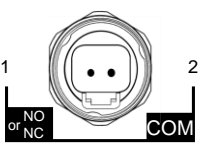
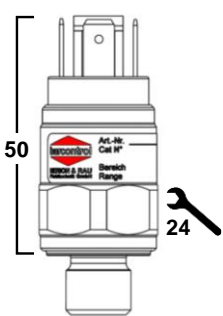
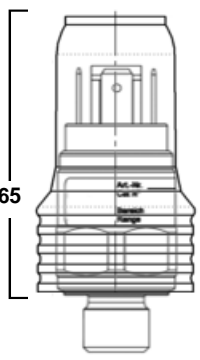

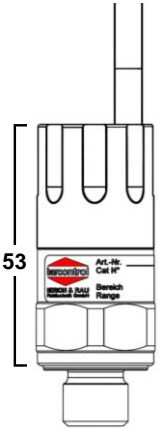
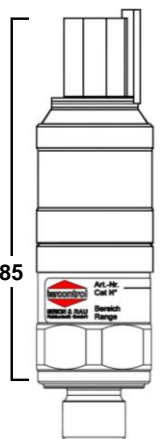
Performed tests

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>)

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.