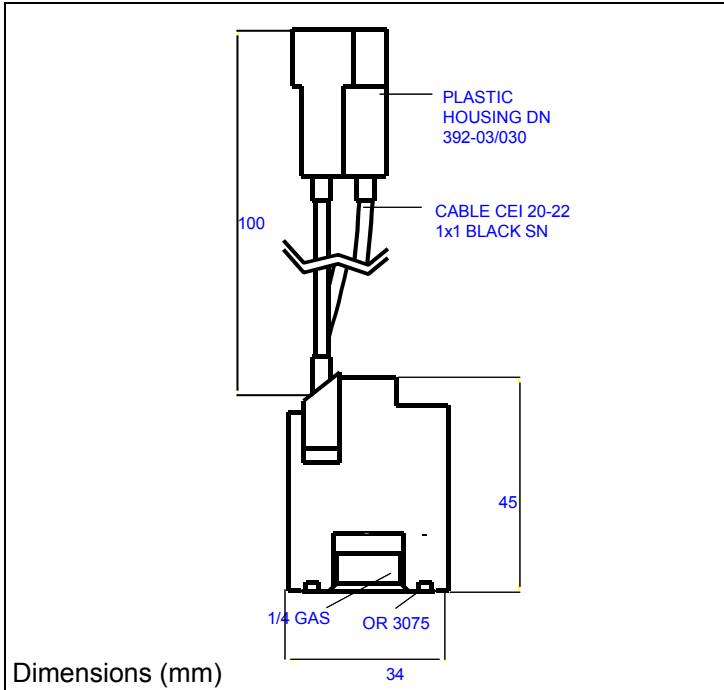


LEAK DETECTORS

P108/01/98



Security actuator for checking of fluid leak.
Normally used as leak detector on SF6 Medium Voltage Breakers. Available with analogic indicator on request.

CONSTRUCTION DETAILS

The multiple-bellows system permits wide movement without going beyond the elastic limit; this results in insensitivity to overpressure transients, high precision and thus repeatability of the pre-set pressure thresholds.

Springs used in the pressure switch are of stainless steel for total protection, even in the most corrosive external conditions.

All moving parts are enclosed in a dustproof housing, minimizing the risks of failure.

An automatic cut-off valve, made to the same dimensions as the pressure switch, makes it possible to install and remove pressure switches without contacting and leaking the fluid being monitored.

The same valve also allows the container being monitored to be filled or emptied, without the need of other devices and openings. The terminals are connected by faston or pre-set cables.

P1

- One point pressure controller
- Increasing or Decreasing pressure
- Factory calibration
- Gas in contact with stainless steel
- Any mounting position
- Faston 6,3 x 0,5
- Automatic cut-off valve (patented)
- Connections:

ELECTRONSYSTEM MD	
Type: P1	
Leak Detector	
Lev1 : _____ bar	

Mechanical and physical characteristics

Calibration range 0,3 - 5 bar rel.
Mechanical protection of active components.....IP 54
Operating temperature range..... -40° + 85° C*
Maximum leakage rate..... 1×10^{-9} mbar lt/sec
Switching level tolerance..... $< \pm 0,1$ bar
Switching differential..... $< 0,25$ bar

*Versions with customized features can be provided

Microswitch characteristics

Minimum time to failure of microswitch 10 MIO
Switching capability (CEE 24) 5 A 250 V

Voltage, V dc	Inductive load DC14	Resistive load DC12
24	6 A	10 A
48	1,5 A	2 A
110/127	0,4 A	0,6 A
220/250	0,2 A	0,4 A

Voltage, V ac	Inductive load AC14	Resistive load AC12
48	1,5 A	12 A
110/127	0,6 A	10 A
220/250	0,3 A	10 A
320/440	0,2 A	8 A

Approvals: ASE, CSA, SEMKO, UL, UTE, VDE, IMQ, KEMA, BS

Electrical insulation characteristics

Isolation level to ground..... 3 kV 50 Hz x 1'
Isolation level between contacts..... 1.5 kV 50 Hz x 1'*
* 2 kV on request

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