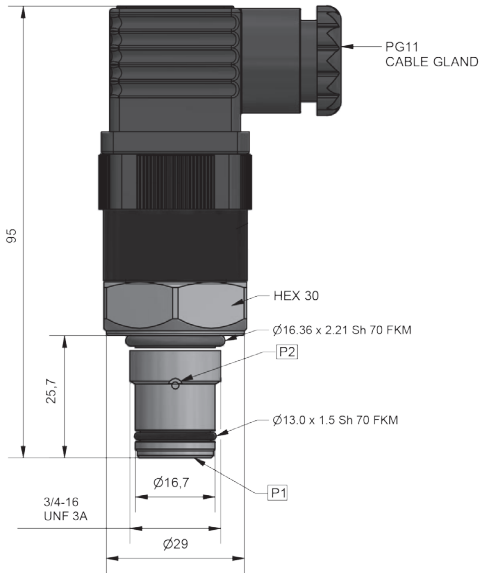
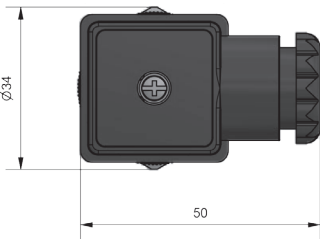


DPIT1_VS08MDC1

ELECTRICAL DIFFERENTIAL PRESSURE INDICATOR



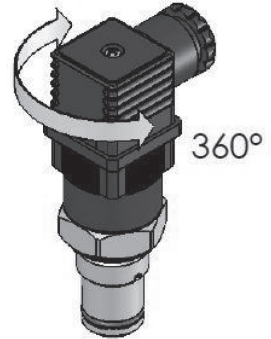
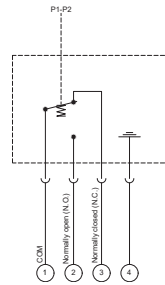
P1: High pressure, P2: Low pressure



The power supply of the sensor must be provided by a dedicated voltage source and not by a distributed dc network.



Engraving on Hex.
Pressure setting & thread code



ELECTRICAL SPECIFICATIONS

VOLTAGE	LOAD
14 V dc	5 (4) A
30 V dc	4 (3) A
125 V ac	5 (3) A
250 V ac	3 (2) A
Min load 5V dc	160 mA

TECHNICAL SPECIFICATIONS

Switching contacts	SPDT
Max pressure (P1=P2)	450 bar
Proof pressure	675 bar
Max differ. pressure (P1-P2)	210 bar
Working temperature	-20° to +100°C
Body material	Brass
Max torque	50 Nm
Protection degree	IP65

SEAL KIT SEAL CODES ORDERING CODE

Fluoroelastomer	V	93000298
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INDICATOR SELECTION TABLE

DP SETTING	DP CODE	ORDERING CODE	MARKING CODE
1.2 bar (± 0.25)	G	DPIT1GV508MDC1	T1 1.2 S08
2.5 bar (± 0.35)	K	DPIT1KV508MDC1	T1 2.5 S08
3.5 bar (± 0.55)	L	DPIT1LV508MDC1	T1 3.5 S08
5.0 bar (± 0.75)	M	DPIT1MV508MDC1	T1 5.0 S08



Make sure to install indicator to the filter head before filter is installed to the system.

This indicator comes with S08 thread, which is used in EPF and GMF filters. Please note that there are other filters using U12H, U14M or U14H threads.

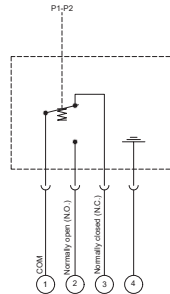
All relevant safety regulations must be met.

CONTACT CONFIGURATION

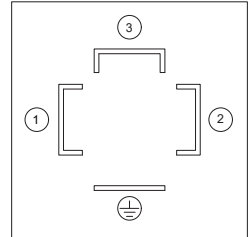
Contact configuration of DPIT1 indicator is shown in Pic. A. Indicator contains a SPDT switch and can be connected as Normally open (N.O.) or Normally closed.

Contact configuration in the new DPIT1 indicator will remain the same as it was in the old FMUT1 indicator (Pic. A).

Location of pins (plug side) shown in the Pic B.



Pic. A



Pic. B

INSTALLING INDICATOR TO FILTER HEAD

Remove the indicator port plug (Fig. 1) or the indicator plug (Fig. 2).

Lubricate indicator on the thread side with industrial grade grease (Fig. 3) or oil (Fig. 4) properly.

TIGHTENING SEQUENCE

Clean indicator port to be dust and moisture free (Fig. 5 and 6).

Insert indicator to indicator port. Exert pressure from top of the indicator to overcome hardness and tighten indicator turning clockwise (Fig. 7).

Use size 30 wrench to complete the tightening to 50Nm (Fig. 8).

Do not attempt to turn the indicator by means of plastic part, otherwise it could be damaged beyond further use.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Always connect cable after mounting indicator on filter head. Power supply must be off when connecting indicator with cable to avoid electrocution. Power supply for sensor must be provided by dedicated voltage source not by distributed DC network. Make sure connection cable is not under tension or sluggish. If the indicator is not working properly, check external o-rings and replace if necessary. If this will not fix the problem, please replace the indicator.