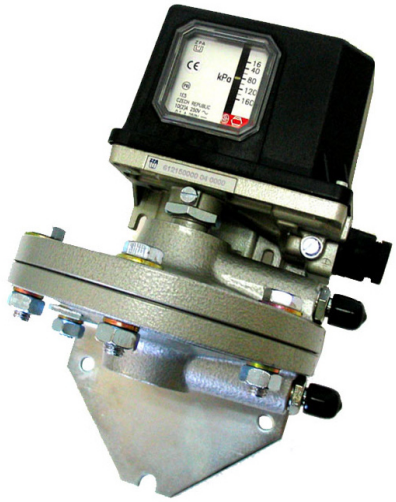
Type 61215 Pressure difference regulator



Characteristics

Range: 4 kPa to 160 kPa in 2 ranges
Contact load: ~ 250V/10A, cos 1
~ 250V/2A, cos ϕ 0.6-0.3
= 250V/0,1A
= 48V/0,2A
Protection class: IP 65
Compact design
Connection by means of terminals on the switch or connector (except for Ex and switch B)

Description - use

The main use is for the regulation and signalization of two pressure difference of non-aggressive gases and liquids up to max. temperature 90°C and rated overpressure 2,5 MPa. Regulated medium must not have aggressive effects on the regulator parts it is in contact with, and must not contain contamination preventing correct function.

The regulators are designed e.g. for non-aggressive gases and liquids, kerosene, petrol, oils, greasing agents, heating gases (methane, coal gas, natural gas, propane, butane, and their compounds, etc.), sodium sulphate (sulphide) - up to 3% concentration and waste gases.

Accessories for ordering include the connection screws M12 x1,5 see. "Accessories".

Technical data

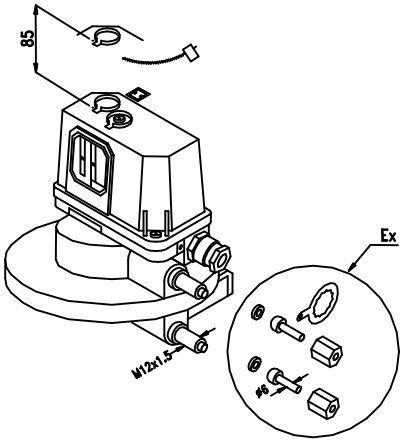
Ambient temperature:	temperature range -20 to +60°C temperature range -20 ≤ T_a ≤ +40°C (Ex)
Specification environment Ex:	II 2G Ex db eb IIB T6 Gb II 2D Ex tb IIIC T 50°C Db
Vibration during operation:	f = 10 to 55 Hz, s_a = to 0,15 mm
Min. service life:	at load by rated values according to the manual and max. speed of cycling up to 6 cycles/min is min. 100 000 cycles
Connection	cable: ∅ 9 ÷ 13 mm, wires: 0,75 at 2,5 mm²

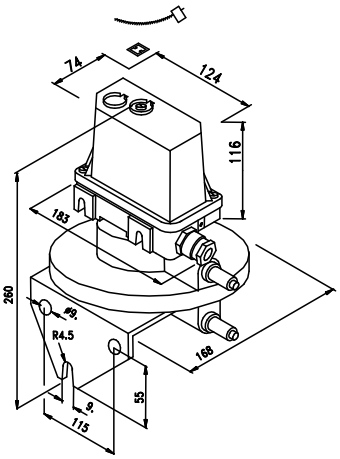
0 kPa = atmospheric pressure
0,1 MPa = 100 kPa = 1 bar

Order No. 405 xxxxx xxxx				Range	Difference		Operating pressure [p_{max}/p_{min}] *)	Hydraulic test pressure	Units	Weight [kg]
Design		Microswitch			Microswitch					
		A	B		A	B				
T Ex	61215	6011 9011	6111 9111	4 to 63	up to 5	up to 10	2000/N	3000	kPa	2,9
T Ex	61215	6013 9013	6113 9113	16 to 160	up to 15	up to 30				

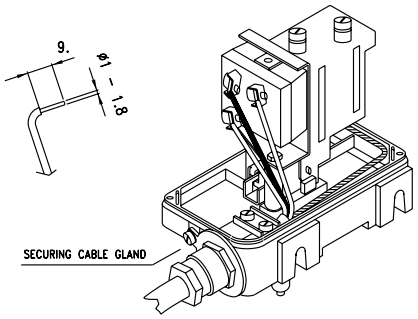
*) N - underpressure unlimited

Dimension drawing

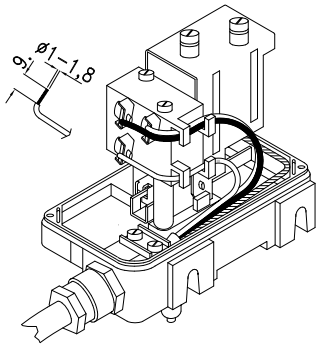


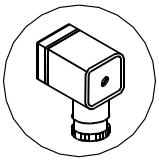


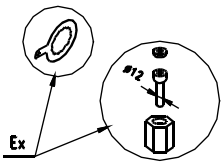
Switch connection in design Ex



Switch connection in design T







Accessories Ex
- supplied in design Ex together with regulator
- in design T it is necessary to order separately (see. Accessories)

Connector - ordered with additional number **01** after ordering number of the regulator

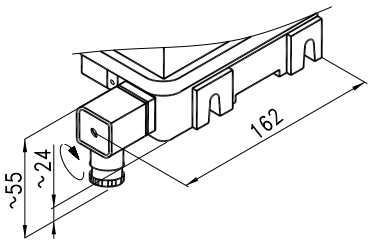
Height above regulator necessary for removing cover is approx 85 mm.

Ordering devices

Code	Name				
405 61215	Pressure difference regulator				
	Code	**Design**			
	6	T			
	9	Ex			
		Code	**Switch type**		
		0	A		
		1	B		
			Code	**Range**	
			11	4 to 63 kPa	
			13	16 to 160 kPa	
				Code	**Custom made**
				01	connector
405 61215	**6**	**0**	**11**	**01**	Ordered No.

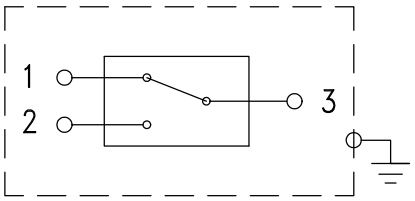
Order example: pressure difference regulator, design T, switch A, range 4 to 63 kPa, custom made with connector

Design with connector

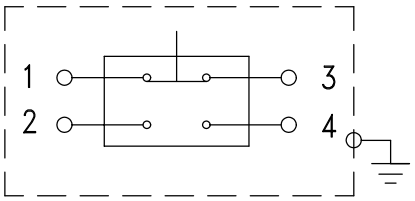


Connecting switches (type A, B)

A



B



Switches 2-3 (2-4) at increasing pressure. Switches 1-3 at decreasing pressure.

Warranty

24 monts warranty is provided from the delivery date unless specified otherwise in the purchase contract.