

PRESSURE SWITCH type B174 (protecting pumps before working "on dry")



- switch of critical states
- protecting unit (protecting pumps before working "on dry" and decrease of water pressure)
- two-term pressure switch, strong compacted housing, max. working pressure to 1 MPa, might be used for mediums like gas and liquid
- optional working position, high long-time stability, protection degree of housing IP54 acc. to PN-EN 60529:2002
- high reliability - they are made according to EN ISO 9001:2000

PRESSURE SWITCH TYPE B174 WAS DESIGNED FOR DISCONNECTED ELECTRIC CIRCUITS AT BRAKE OF SETTING AT MEASURED PRESSURE VALUE. IT IS USED IN AUTOMATION SYSTEMS AND BUILDING OF MACHINES AND EQUIPMENT (E.G. IN PUMPS PROTECTING SYSTEMS BEFORE WORKING "ON DRY"). METAL ELASTIC BELLOWS IS THE MEASURING ELEMENT, WHICH MAKES SWITCHING CONTACTS OF MINIATURE SWITCH UNDER THE INFLUENCE OF GROW UP OF MEASURING PRESSURE.

TECHNICAL DATA

- switching off pressure:	
for versions B-174-A001 ... A004	10 - 30 kPa
for versions B-174-A005 and A006	32-40 kPa
- setting accuracy of switching off pressure:	
for versions B-174-A001 ... A004	0,8 kPa
for versions B-174-A005 and A006	1 kPa
- hysteresis zone (un-setting):	
for versions B-174-A001 ... A004	8-14 kPa
for versions B-174-A005 and A006	8-28 kPa
- max working pressure	1,0 MPa
- working position	optional
- load contacts capacity:	
for versions B-174-A001 ... A004	230VAC /2,5A
for versions B-174-A005 and A006	380VAC /6A
- acceptable vibrations	10...60 Hz / amplitude <0,35 mm
	60...500Hz, hurrying 5g
	(acc. to PN-EN60654-3:2000;class VH6
	IP54 (acc. to PN-EN 60529:2002)
- protection degree of housing	
- additional mistake at surrounding temperature changes	
(at max working pressure):	
for versions B-174-A001 ... A004	0,5 kPa /10°C
for versions B-174-A005 and A006	0,8 kPa /10°C