

MECHANICAL PRESSURE SWITCH

MPA 18

“Vibration Resistant, IP67 Protection Class”



- Resistant to most oils, fuels, hydraulics, dust, and solvents
- Resistant to vibration (5G)
- Standard NO switch output
- IP67 protection class



Mechanical switches are used for detecting end positions and providing output signals in various applications such as commercial vehicles, industrial equipment, conveyor systems, and similar systems.

Mechanical switches operate with very low physical force. When the piston/actuator is pressed, they open or close the contacts, enabling the device to be switched on or off. Mechanical switches are highly resistant to shock and vibration and are designed to allow both vertical and angular movement.

These products are extremely robust. They provide IP67-rated sealing, high temperature resistance, and vibration resistance. Thanks to this durable design, they can be used flexibly in a wide range of applications.

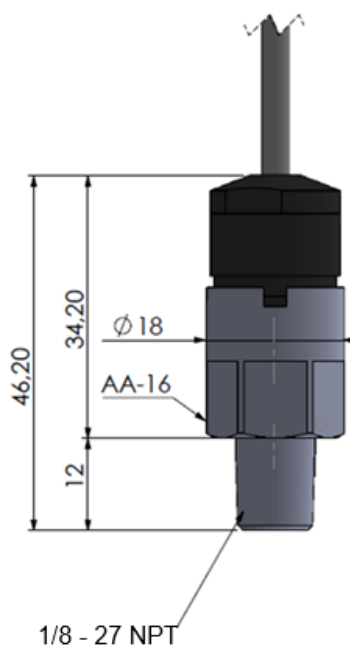
Applications

- Transmissions
- Drivetrain systems and conveyor systems
- Special commercial vehicles
- Industrial equipment
- Marine applications

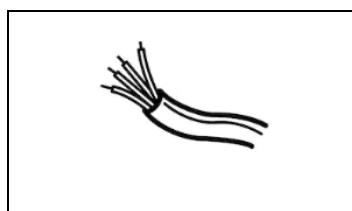
TECHNICAL SPECIFICATIONS

Temperature Range	-20°C ... +80°C
Body Material	AISI 316L
Cable Material	PUR
Linearite	+/- %5
Contact Output Type	NO (Standard)
Mechanical Life	100000 Cycles
Max. Operating Pressure	40 Bar
Current Range	Max 3A
Max. Load	135W
Max. Tightening Torque	50Nm
Electrical Connection	Cable
Protection Class	IP67

MECHANICAL DIMENSIONS (mm)

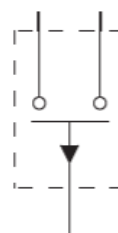


SWITCHING FUNCTION AND CONNECTION



RED	NO (NORMALLY OPEN)
BLACK	C (Common)

NO (Normally Open)



ORDER CODE

Model				Output Type				Electrical Connection			
				NO : Normally Open (Standard)				2M: 2 Meter Cable * Please ask for other options			
MPA 18	-	XX	-	XX	-	XX	-	XX			
Operating Pressure				Mechanical Connection							
500mBar: 500 mBar				NPT1/8-27: 1/8 – 27 NPT							
5Bar: 5 Bar				M8: M8							
				* Please ask for other options							