Atek Alfa

MECHANICAL PRESSURE SWITCH

MPA 18

"Vibration Resistans, IP67 Protection Class"

- Resistant to most oils, fuels, hydraulics, dust, and solvents
- Resistant to vibration (5G)
- Standard NC 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.

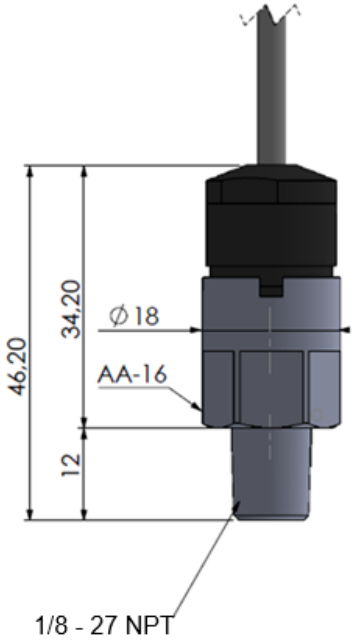
Applications

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

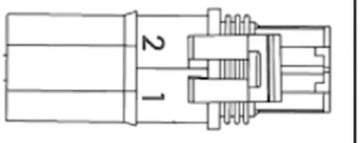
TECHNICAL SPECIFICATIONS

Temperature Range	-20°C ... +80°C
Body Material	AISI 304L
Cable Material	PUR
Linearite	+/- %5
Contact Output Type	NC
Mechanical Life	100000 Cycles
Max. Operating Pressure	40 Bar
Current Range	Max 3A
Max. Load	135W
Max. Tightening Torque	50Nm
Electrical Connection	AMP 282080-1 Superseal Connector
Protection Class	IP67

MECHANICAL DIMENSIONS (mm)



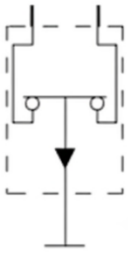
SWITCHING FUNCTION AND CONNECTION



PIN NO

1	NC (Normally Closed)
2	C (Common)

NC (Normally Closed)



ORDER CODE

Model

Output Type

NC : Normally Closed

Electrical Connection

S147 : AMP 282080-1 superseal connection
* Please ask for other options

MPA 18	-	XX	-	XX	-	XX	-	XX	-	XXX

Operating Pressure

500mBar: 500 mBar
5Bar: 5 Bar

Mechanical Connection

NPT1/8-27: 1/8 – 27 NPT
M8: M8
* Please ask for other options

Body Material

E310 : AISI 304L