



ENGLISH

Datasheet

Stock No: 190-0478

RS Pro Black Air Switch Bellows, Dia. 50mm, L.42.5mm



Product Details

Industrial Style Actuators

Panel cut-out 33 to 35mm

4mm spout diameter

Actuators, Switch Elements, Tubing & Accessories

The air operated switch system offers enhanced safety in hazardous areas by allowing remote operation of electrical circuits.

The actuator is a bellows which, when compressed moves air down the air tubing to the switch element. This compressed air then expands a bellows in the switch, which operates the electrical contacts.

When used in wet environments or where electrical switching would be dangerous due to arcing, the switch and all electrical wiring can be located outside the hazardous area giving the operator total electrical isolation for the equipment.

Such applications include: Battery charging rooms, laboratories, garages, or wherever explosive gases, vapours or powders may exist.

When assembled the air switch and actuator form a sealed system, therefore temperature variation will cause pressure changes, which can in extreme cases affect the performance of the switch. To prevent this the total volume of the system must be kept below a critical value for a given temperature range and, to this end, a maximum length of air tubing (and hence volume) can be given for any combination of switch and actuator.



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Specifications:

Manufacturer Series	6438
Type	Bellows
Colour	Black
Nominal Diameter	50mm
Length	42.5mm