

SIEMENS BUILDING TECHNOLOGIES

Product Data Sheet

QBM81-10

differential pressure switch for air and nonaggressive gases

ADJUSTABLE PRESSURE RANGE	PERMITTED MEDIA	SWITCHING CONTACT	MINIMUM CONTACT LOAD
100 to 1000 Pa (1 to 10 mbar; 0.4 to 4 inH ₂ O)	Air and non-corrosive gases	Single-pole changeover, multilayer contact	24 V AC/DC, 0.01 A

Siemens QBM81-10 is a differential pressure switch for air and nonaggressive gases in the Siemens Building Technologies family. It is identified for compatible Siemens Building Technologies installations and should be selected by its complete order number and documented interface.

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VERIFIED TECHNICAL DATA

Adjustable pressure range	100 to 1000 Pa (1 to 10 mbar; 0.4 to 4 inH ₂ O)
Permitted media	Air and non-corrosive gases
Switching contact	Single-pole changeover, multilayer contact
Minimum contact load	24 V AC/DC, 0.01 A
Maximum resistive contact load	250 V AC, 5 A
Maximum inductive contact load	3 A; cos phi above 0.6
Service life	More than 1,000,000 switching cycles
Maximum unilateral overload	7500 Pa
Housing protection	IP54 according to EN 60529
Protection class	Class III according to EN 60730-1

ADDITIONAL PRODUCT DATA

Electrical connection	3 screw terminals
Cable entry	PG11 cable gland
Pressure connections	Male, 6.2 mm diameter
Mounting orientation	Any; vertical orientation recommended
Operating temperature	-30 to +85 degrees C

DOCUMENTED USE SETTINGS

Water Supply and Wastewater Industries: Municipal water and wastewater sites.

Oil, Gas and Petrochemical Industries: Upstream and downstream energy sites.

Semiconductor and Electronics Industries: Semiconductor fabrication sites.

SYSTEM COMPATIBILITY

QBM81-10 belongs to the Siemens Building Technologies family and provides the documented role of differential pressure switch for air and nonaggressive gases. Review the exact order number before assigning it to the installed architecture.

PRODUCT EVIDENCE

Siemens manufacturer documentation