

Ex Proximity Switches

Ex proximity switches Intrinsically Safe MPS 44

- BASEEFA certified
- Intrinsically Safe
- Magnetically actuated
 - See page 37 for actuators (supplied separately)
- Stainless steel housing
- Water, oil and dustproof to IP68
- External M16 x 1.5 pitch threaded gland to accept conduit protection



The electrical circuit in the hazardous area must be capable of withstanding an a.c. test voltage of 500 volts rms to earth or frame of the apparatus for one minute.

The installation must comply with the installation requirements as specified in EN60079-14.

The power source must be certified by an EEC approved body to Exia or Exib, whichever is applicable with:

Ui max out 30V

Ii max out 250mA

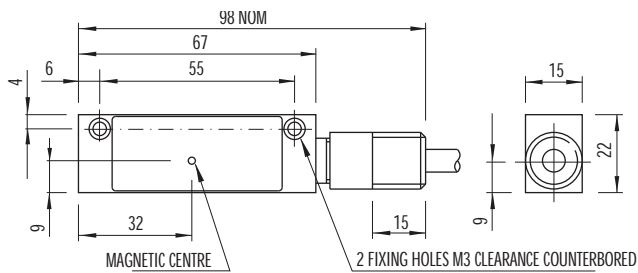
Pi max out 1.3W

The capacitance and inductance, or inductance to resistance (L/R) ratio of the hazardous area cables must not exceed the values of the power source in use.

Safe area apparatus is unspecified except that it must not be supplied from, nor contain under normal or abnormal conditions, a source of potential with respect to earth in excess of 250 volts rms or 250 volts d.c.

Special conditions of use - the cable must be terminated in an enclosure that provides a degree of protection of at least IP 20 for the connections.

dimensions



ordering details

Switch	Max. volts	Max. current	Power	Part No.
MPS 44 (Polyolefin cable)	250Vdc, 150Vac	0.5A ac/dc	10Wdc, 10VAac	4435-M565253
MPS 44 (MICC cable)	250Vdc, 150Vac	0.5A ac/dc	10Wdc, 10VAac	4435-M565267

These switches require a magnetic actuator. Refer to page 37.

technical specifications

Contact arrangement	C/O single pole (change over)
Contact material	Rhodium
Case material	Stainless steel
Protection	IP 68 (water/oil/dust)
Operating temperature	-20°C to +40°C
Fixings	2 x M3
Contact operating distance	See page 37
Mechanical life	500 x 10 ⁶ typical
Electrical life	Subject to switched load
Cable	3m Polyolefin (braided) or 3m MICC
Connections	
(Polyolefin cable)	N/O black & white, N/C red & white.
(MICC cable)	Cores unmarked. Use circuit tester
Weight	0.5Kg approx.
Conforms to standards	EN 60204-1, EN 60079
Certification	Exd IIC T6
	Certification No. Baseefa 02ATEX 0120X

