

Ex Proximity Switches

proximity switch & end sensors

ES3i

- Magnetically actuated
 - See page 36 for actuators (supplied separately)
- Stainless Steel housing
- Water, oil and dustproof to IP68

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 EN 60079-14.

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

Ui max out 30V

li max out 250mA

Pi max out 1.3W

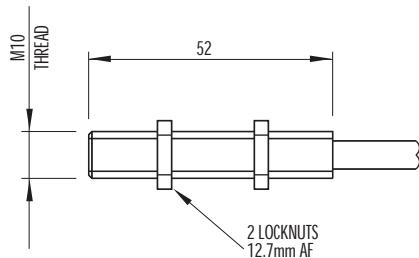
The capacitance and inductance, or inductance to resistance (L/R) ratio of the hazardous area cables must not exceed the values of the power source in use.



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 | Contacts | Max. volts | Max. current | Power | Part No. |
|--------|----------|------------|--------------|--------|--------------|
| ES3I | N/O | 250V ac/dc | 1A ac/dc | 15VA/W | 4435-M566351 |

These switches require a magnetic actuator. Refer to page 36.

technical specifications

| | |
|----------------------------|-------------------------------|
| Contact arrangement | N/O |
| Contact material | Rhodium |
| Case material | Stainless Steel |
| Protection | IP 68 (water/oil/dust) |
| Operating temperature | -10°C to +60°C |
| Fixings | 2 x M3 |
| Contact operating distance | See page 36 |
| Mechanical life | 500 x 10 ⁶ typical |
| Electrical life | Subject to switched load |
| Cable | 2m flexible PVC |
| Weight | 0.2Kg |
| Conforms to standards | EN 60204-1, EN 60079 |