

SI-HG80


Hinge Style Switches




- Load bearing and operate to a full 180° range of motion
- Housing is constructed of corrosion-resistant zinc die-cast
- One-piece switch eliminates need for alignment, engagement and risk of breakage of a separate actuator
- Design meets positive opening requirements for safety interlocks (IEC 60947-5-1)
- High degree of tamper-resistance

SI-HG80 Hinge Style Switches, 80 mm

| Actuator Type | Contact(s) | Connection | Models |
|--|---|----------------|-------------|
|  In-line QD Integral load bearing |  SPDT (Form C) | 4-pin Micro QD | SI-HG80DQD |
|  Right-angle QD Integral load bearing |  SPDT (Form C) | 4-pin Micro QD | SI-HG80DQDR |
|  Blank hinge |  — | — | SI-HG80A |

 Hinge 180° SPDT = Single-Pole, Double-Throw Contacts

 Connection options: A model with a QD requires a mating cordset.
For contact/switching diagrams see page 672.



6-Pin

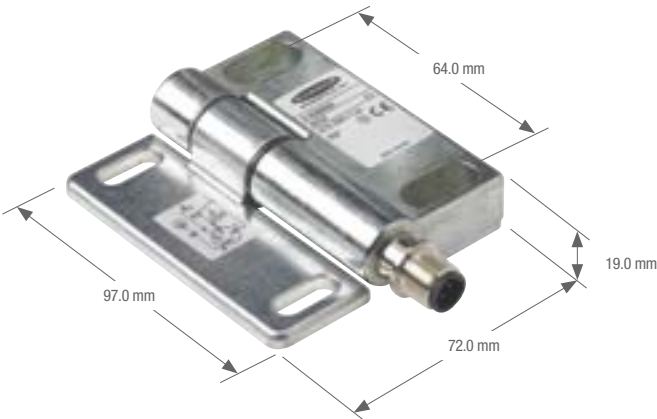
Micro-Style to Flying Leads
Straight connector models listed;
for right-angle, add **RA** to the end
of the model number (example,
MQEAC-806RA)

- MQEAC-606**
2 m (6')
- MQEAC-615**
5 m (25')
- MQEAC-630**
9 m (50')

Additional cordset information is available.
See page 758





SI-HG80DQDR



SI-HG80DQD

SI-HG80 Hinge Style Switches Specifications

| | |
|--|---|
| Contact Rating | 3 A @ 250 V ac max., 0.5 A @ 60 V dc max. 2.5 kV max. transient tolerance NEMA A300 P300 |
| European Rating | Utilization categories: AC15 and DC13 (IEC 90497-5-1) Ui = 250 V ac, Ith= 3A |
| Minimum Switching Speed | 20 operations per minute |
| Mechanical Life | 1 million operations |
| Short Circuit Protection | 6 amp Slow Blow, 10 amp Fast Blow. Recommended external fusing or overload protection. |
| Force Exerted by Guard per Switch | Axial: 750 N max. Radial: 1000 N max. |
| Operating Range | 0° to 180° |
| Wire Connections | 4-pin Micro-style quick-disconnect (QD) fitting. |
| Construction | Zinc Die-cast (GD-Zn) |
| Environmental Rating | NEMA 4; IP67 |
| Operating Conditions | Temperature: -25 to +70 °C |
| Weight | 0.40 kg |
| Application Notes | To avoid excessive radial stress in applications containing large doors, the hinge switch should be mounted either in pairs of two, or in conjunction with a blank hinge. |
| Certifications |   |
| Contact Configuration and Switching Diagrams | SD002 (p. 672) |