

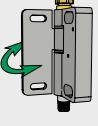
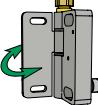
# SI-HG80



## 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	<b>Utilization categories:</b> 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	<b>Temperature:</b> -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)	