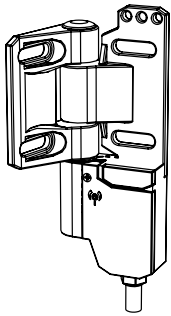


# SI-HG(Z)63 Hinge Wing Safety Interlock Switch



## Product Overview



For complete technical information about this product, including installation instructions, application requirements and guidelines, EU Declaration of Conformity, technical specifications, and accessories, see [www.bannerengineering.com](http://www.bannerengineering.com) and search for 129465

- Safety switching point is repositionable
- Switch components are protected from mechanical impact for superior performance to actuator-activated safety switches (IP67 or IP69 rated)
- Hinge operates to a full 270° range of motion; safety switching point (guard-closed position) is adjustable over the full 0° to 270° operating range
- Stainless steel hinge supports a load of 1800 N (180 Kg). Zinc die-cast hinge supports a load of 1200 N (120 Kg).
- When properly interfaced or used with an appropriate controller, two SI-HG(Z)63 switches on an individual gate or guard can achieve safety category 4, per ISO 13849-1

## Models

| Model          | Construction    | Housing Style  |
|----------------|-----------------|--|
| SI-HG63FQDR    | Stainless Steel | Inline QD - With QD facing down, switch is mounted on right side of hinge  |
| SI-HGZ63FQDR   | Zinc Die-cast   |  |
| SI-HG63F5MR-W  | Stainless Steel | Inline Cable - With cable exiting down, switch is mounted on right side of hinge, IP69 protection class rating             |
| SI-HG63FQDL    | Stainless Steel | Inline QD - With QD facing down, switch is mounted on left side of hinge   |
| SI-HGZ63FQDL   | Zinc Die-cast   |  |
| SI-HG63F5ML-W  | Stainless Steel | Inline Cable - With cable exiting down, switch is mounted on left side of hinge, IP69 protection class rating              |
| SI-HG63FQDRR   | Stainless Steel | Right-Angle QD - With switch body down, switch is mounted on right of hinge  |
| SI-HGZ63FQDRR  | Zinc Die-cast   |  |
| SI-HG63F5MRR-W | Stainless Steel | Right-Angle Cable - With switch body down, switch is mounted on right side of hinge, IP69 protection class rating          |
| SI-HG63F5MLR-W | Stainless Steel | Right-Angle Cable - With switch body down, switch is mounted on left side of hinge, IP69 protection class rating           |
| SI-HG63F5MB-W  | Stainless Steel | Inline Cables - With cables exiting up and down, switches are mounted on both sides of hinge, IP69 protection class rating |
| SI-HG63A       | Stainless Steel | Blank Hinge; same mechanical as switch minus switch component  |
| SI-HGZ63A      | Zinc Die-cast   |  |

A complete safety system is composed of two SI-HG(Z)63 switches per gate/guard, cables (for QD models), and a safety monitoring device.

## Responsibilities of the Qualified Person

To access the SI-HG(Z)63 Hinge Wing Safety Interlock Switch instruction manual (p/n 129465):

- Go to [www.bannerengineering.com](http://www.bannerengineering.com) to download the manual in the language you require; or
- Call Banner at 1-888-373-6767 or call your local Banner Representative to request a manual



### WARNING:

It is the responsibility of the Qualified Person who configures, installs, or maintains the SI-HG(Z)63 system to:

- Carefully read, understand, and follow the information in the SI-HG(Z)63 instruction manual
- Perform a risk assessment of the specific machine guarding application
- Determine what safeguarding devices and methods are appropriate per ISO 13849-1
- Properly install, configure, and then verify that the entire safeguarding system is working as intended
- Periodically re-verify, as needed, that the entire safeguarding system is working as intended

**Failure to follow any of these recommendations may create a dangerous condition that may lead to serious injury or death.**

Pour accéder au manuel d'utilisation SI-HG(Z)63 Hinge Wing Safety Interlock Switch (réf. 129465) :

- Rendez-vous sur le site [www.bannerengineering.com](http://www.bannerengineering.com) pour télécharger le manuel dans la langue de votre choix, ou
- Contactez Banner au 1-888-373-6767 ou appelez votre représentant Banner local pour demander le manuel.



**WARNING:**

La personne qualifiée chargée d'assurer la configuration, l'installation ou la maintenance de SI-HG(Z)63 est tenue de :

- Lire avec attention, bien comprendre et suivre les instructions du manuel du système SI-HG(Z)63
- Effectuer une évaluation des risques de l'application de protection spécifique à la machine
- Identifier les dispositifs et les méthodes de protection exigés par la norme ISO 13849-1
- Installer et configurer correctement le système de protection puis vérifier qu'il fonctionne de la façon prévue
- Révérer périodiquement, si nécessaire, que l'ensemble du système de protection fonctionne comme prévu

**Le non respect de ces consignes peut créer une situation potentiellement dangereuse susceptible d'entraîner des blessures graves, voire mortelles.**

So beziehen Sie die Bedienungsanleitung für den SI-HG(Z)63 Hinge Wing Safety Interlock Switch (Ident-Nr. 129465):

- Laden Sie die Anleitung in der gewünschten Sprache von unserer Website ([www.bannerengineering.com](http://www.bannerengineering.com)) herunter oder fordern Sie die Anleitung telefonisch bei der Banner-Hotline unter der Rufnummer +1-888-373-6767 oder bei einer Banner-Vertretung in Ihrer Nähe an.

**WARNING:**

Die qualifizierte Person, die die SI-HG(Z)63 -Anlage konfiguriert, installiert oder wartet, hat folgende Pflichten:

- Die Informationen in der Anleitung für den SI-HG(Z)63 gründlich durchzulesen, zu verstehen und zu befolgen
- Eine Risikobeurteilung der spezifischen Maschinenschutzanwendung durchzuführen
- Zu ermitteln, welche Schutzvorrichtungen und -methoden gemäß ISO 13849-1 angezeigt sind
- Das gesamte Schutzsystem fachgerecht zu installieren, zu konfigurieren und anschließend auf die bestimmungsgemäße Funktion zu überprüfen
- Nach Bedarf regelmäßig zu überprüfen, ob das gesamte Schutzsystem wie beabsichtigt arbeitet

**Wenn diese Empfehlungen nicht befolgt werden, kann eine Gefahrensituation entstehen, die zu schweren bis tödlichen Verletzungen führen kann.**

Per accedere al manuale di istruzioni dello SI-HG(Z)63 Hinge Wing Safety Interlock Switch (codice 129465):

- Andare al sito [www.bannerengineering.com](http://www.bannerengineering.com) per scaricare il manuale nella lingua desiderata; oppure
- Contattare Banner al numero telefonico 1-888-373-6767 oppure il rappresentante Banner locale per richiedere un manuale

**WARNING:**

È responsabilità della Persona Qualificata incaricata della configurazione, installazione o manutenzione del sistema SI-HG(Z)63 quella di:

- Leggere attentamente, assicurarsi di avere compreso e seguire le indicazioni riportate nel manuale di istruzioni del SI-HG(Z)63
- Eseguire una valutazione dei rischi dell'applicazione di protezione della macchina specifica
- Determinare i dispositivi di protezione e i metodi appropriati secondo la norma ISO 13849-1
- Installare, configurare l'intero sistema di protezione e assicurarsi che funzioni come previsto
- In base alle esigenze, ricontrollare periodicamente che l'intero sistema di protezione funzioni come previsto

**Il mancato rispetto di una delle presenti prescrizioni può creare situazioni di pericolo, con conseguenti gravi lesioni personali o morte.**

Para obtener el manual de instrucciones del SI-HG(Z)63 Hinge Wing Safety Interlock Switch (p/n 129465):

- Visite [www.bannerengineering.com](http://www.bannerengineering.com) para descargar el manual en el idioma que necesite; o
- Llame a Banner al 1-888-373-6767 o llame a su representante local de Banner para solicitar un manual

**WARNING:**

Es responsabilidad de la persona calificada que configura, instala o mantiene el sistema de SI-HG(Z)63, lo siguiente:

- Leer con atención, entender y seguir la información en el manual de instrucciones del SI-HG(Z)63
- Realizar una evaluación de riesgos que incluya la aplicación de protección de la máquina específica
- Determinar cuáles son los dispositivos y los métodos de protección adecuados según la ISO 13849-1
- Instalar, configurar y verificar de manera adecuada que todo el sistema de protección funcione como está previsto
- Periódicamente volver a verificar, según sea necesario, que todo el sistema de protección funcione según lo previsto

**El incumplimiento de cualquiera de estas responsabilidades puede crear una condición peligrosa que puede provocar lesiones graves o la muerte.**