



# **Safety Switches for Automation**





### **Safety Switches for Automation**

### Who are Fortress?

Step 1:

Step 2: Choose your duty type

**Choose your** 

switch type

Fortress designs and manufactures customised safety equipment, protecting people working in hazardous workplaces. We offer a tailored safety solution which is reliable and extremely durable, guaranteeing minimal downtime while always keeping your people as safe as possible. This brochure lists a selection of our standard safety switch and guard locking products. To learn more visit our website at <a href="https://www.fortressinterlocks.com">www.fortressinterlocks.com</a> or get in touch via email using the contact details available on the back page.

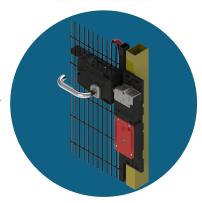
### What is a Safety Switch?

A safety switch device is used to create a stop command upon a guard opening. These products use positive break dual channel safety (2NC) to signal an access request.

### What is Guard Locking?

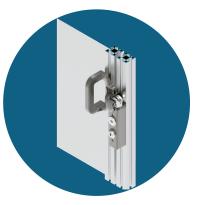
Guard Locking is used to keep a guard locked and closed until it is safe to enter. Typically a stop command is created upon the guard unlocking. These products use a solenoid to control access and enforce a run down time.

### **Heavy Duty**



amGard*pro* is the ultimate range of safety gate products for heavy duty applications. Available pre-mounted to a plate and pre-wired for simple installation.

### **Medium Duty**



tGard is an easily customisable range of compact aluminium alloyed products for medium duty applications.

### **Compact Guard Lock**



Atom is a range of highly robust, high coded and compact guard locking and safety switch products.

### Step 3: Select your product, go to page #...

Safety Switches			Safety Swit	ches with Gua	Non-Contact Safety Switches		
Heavy	Medium	Compact	Heavy	Medium	Compact	NCS	FRNK
Page 3	Page 5	Page 8	Page 4	Page 6	Page 8	Page 7	











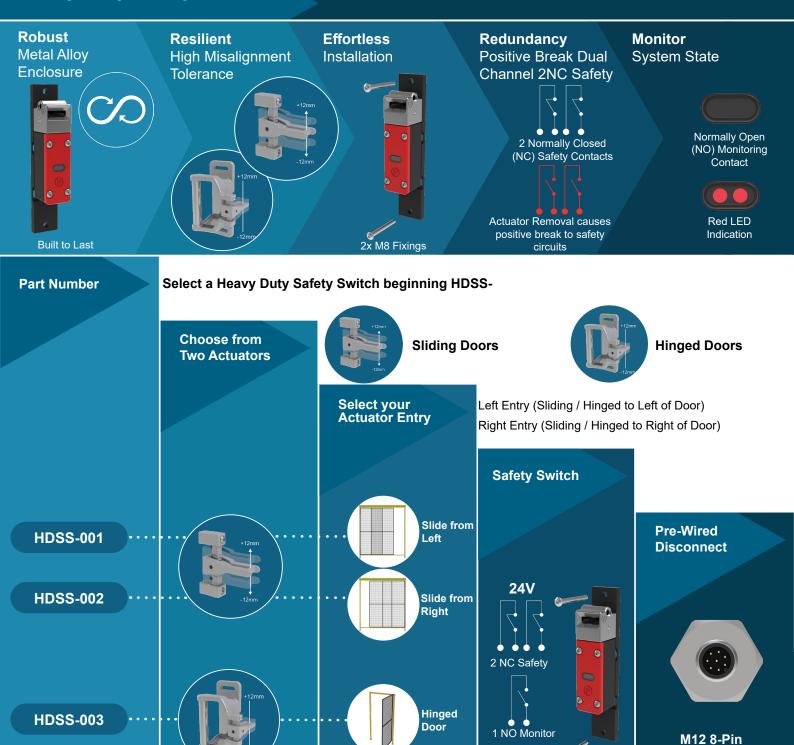




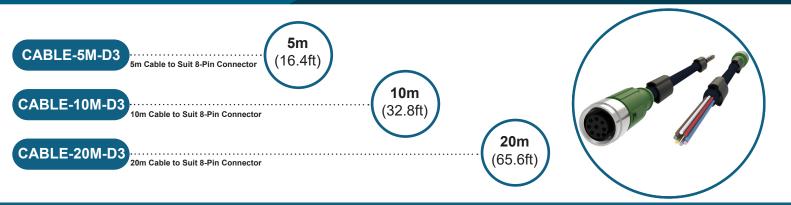


			30		4	3.0					
Non-Locking	<b>✓</b>	<b>~</b>	<b>~</b>				<b>✓</b>	<b>~</b>			
Locking				<b>~</b>	<b>~</b>	<b>~</b>					
Safety Contacts	2NC	2NC	OSSD PNP	2NC	2NC	OSSD PNP	2NC	2NC			
Performance Level	Ple	PLd	Ple	Ple	PLd	Ple	Ple	Ple			
Monitoring	1NO & LED Status	1NO & LED Status	1NO & LED Status	2 x 1NO & LED Status	2 x 1NO & LED Status	2 x 1NO & LED Status	1NO & LED Status	1NO			
Locking or Unlocking Power				24V	24V	24V					
House Material	Zinc Alloy with Stainless Steel	Aluminium Alloy	Zinc Alloy with Stainless Steel	Zinc Alloy with Stainless Steel	Aluminium Alloy	Zinc Alloy with Stainless Steel	Stainless Steel	ABS Polymer			
Misalignment Capability (X,Y,Z)	+/-10/10/10mm	+/- 4/4/4mm	+/- 8/8/8mm	+/-10/10/10mm	+/- 4/4/4mm	+/- 8/8/8mm	+/- 20/20/20mm	+/- 15/8/8mm			
Actuator Retention Force	N/A	N/A	N/A	10,000N	2500N	8000N	N/A	N/A			
Coding Level	Low	Low	High	Low	Low	High	Low	High			
Cascadable			<b>~</b>			<b>✓</b>					
Cable Connection	M12	M12	Up to 2x M12	M12	M12	Up to 2x M12	M12	M12			
Misalignment capability; mi	ent capability; misalignment of actuator and sensor or with actuator and guard; X/Y/Z where X is distance to actuator, Y is horizontal misalignment and Z is vertical misalignment.										

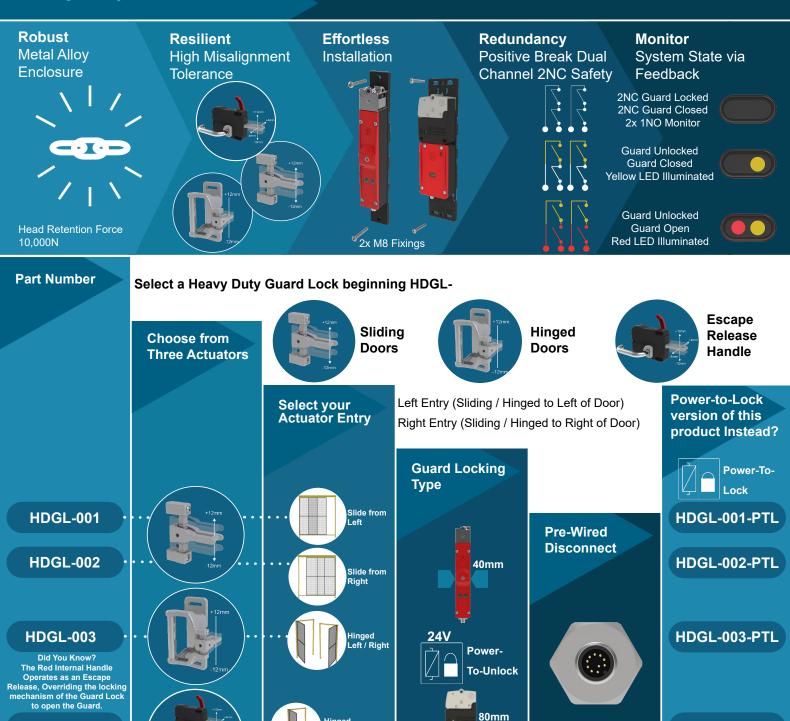
# **Heavy Duty Safety Switch**



# Do you need a cable with this product?



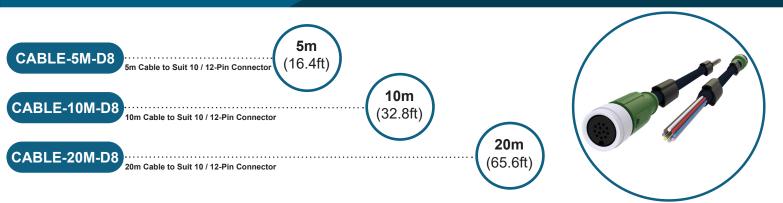
# **Heavy Duty Guard Lock**



### Do you need a cable with this product?

HDGL-004

**HDGL-005** 

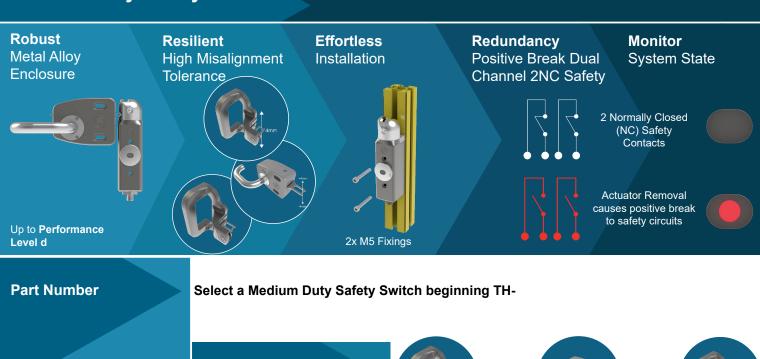


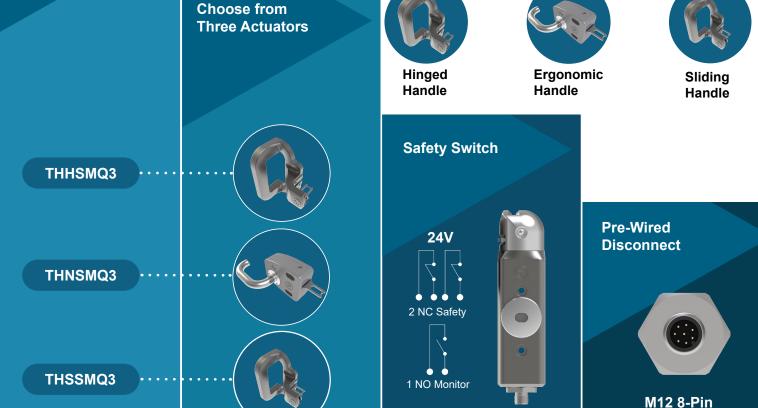
Hinged Right HDGL-004-PTL

HDGL-005-PTL

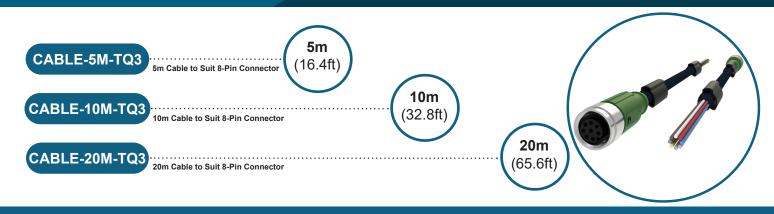
M12 10-Pin

# **Medium Duty Safety Switch**





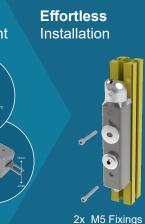
# Do you need a cable with this product?



# **Medium Duty Guard Lock**







Redundancy Positive Break Dual Channel 2NC Safety



2NC Guard Locked 2NC Guard Closed 2x 1NO Monitor



Guard Unlocked **Guard Closed** Green LED Illuminated



Guard Unlocked Guard Open Red LED Illuminated



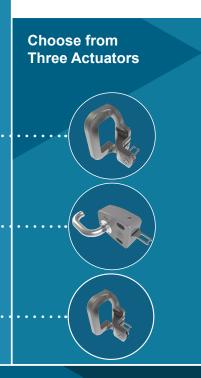
**Part Number** 

**THHSMDUQM** 

**THNSMDUQM** 

**THSSMDUQM** 

Select a Medium Duty Guard Lock beginning TH-





Hinged Handle



**Ergonomic** Handle



Handle

**Guard Locking** Type





**Pre-Wired Disconnect** 



M12 12-Pin

**Medium Duty Control Only** 

THCETP6P7QM



Blue Pushbutton



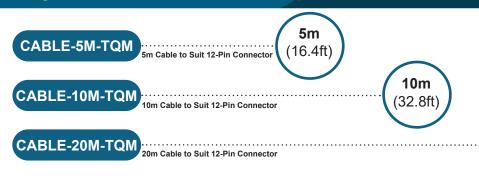
White Pushbutton





A Halma company

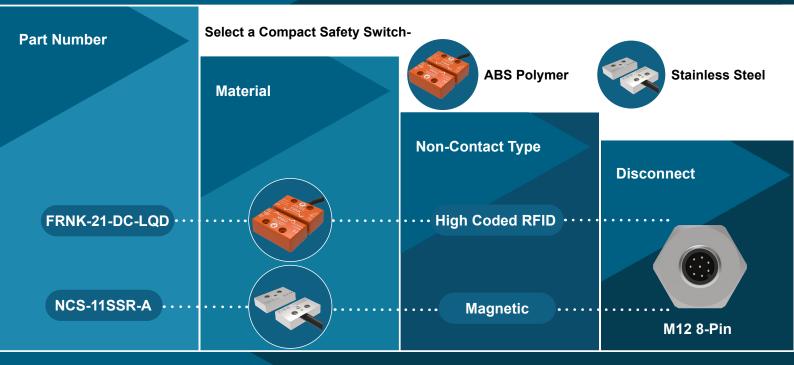
# Do you need a cable with this product?



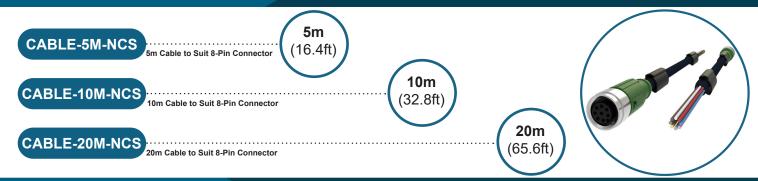




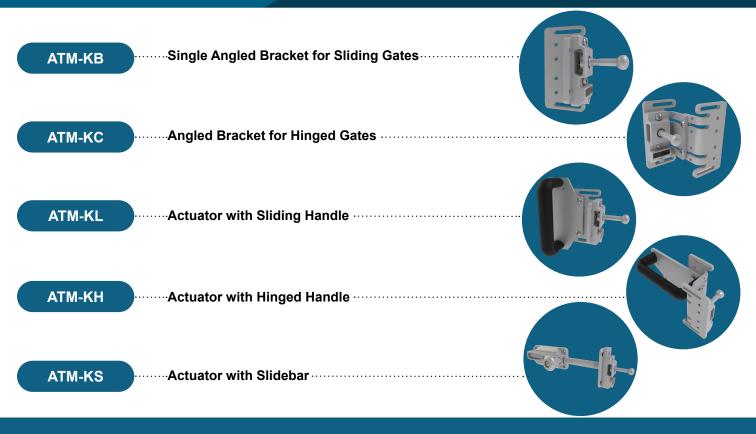
### **Compact Safety Switch**



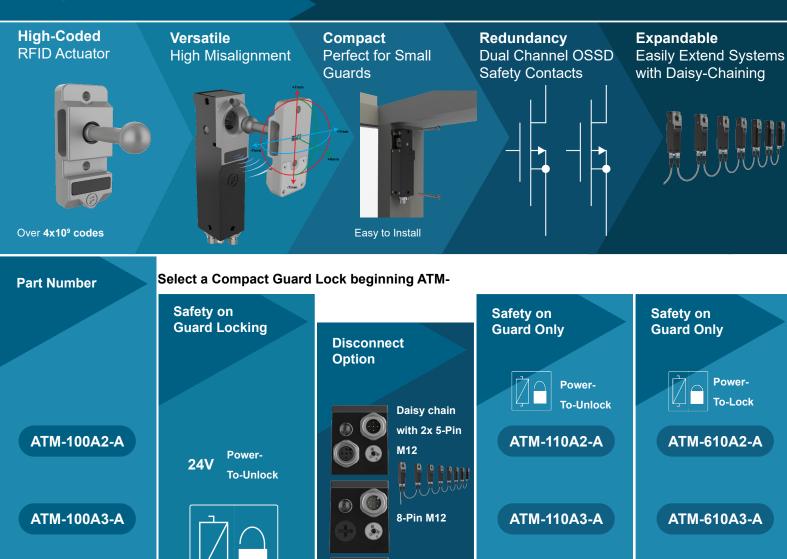
# Do you need a cable with this product?



# **Accessories - Compact Guard Lock**



# **Compact Guard Lock**



# Do you need a cable with this product?

ATM-100A1-A



5-Pin M12

ATM-110A1-A

ATM-610A1-A

# FORTRESS

# FORTRESS

We have the peace of mind that our workers are safe and protected by fortress equipment.



# FORTRESS-

Fortress is best at providing customised solutions at a rapid turnaround - reacting immensely to a challenge to put the customer's needs first.



# FORTRESS:

Fortress' best quality is providing each customer the most robust and safe solution - all while being completely customizable and retaining a high level of quality.



# FORTRESS:

We value suppliers that can help navigate the standards and provide guidance that is directly linked to our applications.



### **Fortress Global Offices**

### Fortress Interlocks Ltd

- **C** +44 (0)1902 349000
- sales@fortressinterlocks.com

### **Fortress Interlocks Europe**

- **U** +31 (0)10 7536060
- europe@fortressinterlocks.com

### **Fortress Interlocks USA**

- **L** +1 (859) 578 2390
- us@fortressinterlocks.com

### **Fortress Interlocks Pty Ltd**

- **(**+61 (0)3 9771 5350
- australia@fortressinterlocks.com

### **Fortress Interlocks China**

- **L** +86 (021) 6167 9002
- china@fortressinterlocks.com

www.fortressinterlocks.com

### Fortress Interlocks India

- **9** +91 7042358818
- india@fortressinterlocks.com