



# **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.

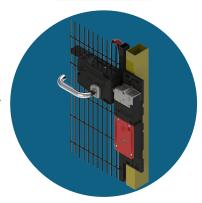
### What is a Safety Switch?

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?

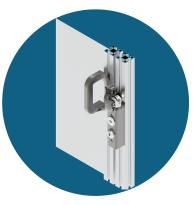
Guard Locking is used to keep a guard locked and closed until it is safe to enter. Typically a stop command is created upon the guard unlocking. These products use a solenoid to control access and enforce a run down time.

### **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	











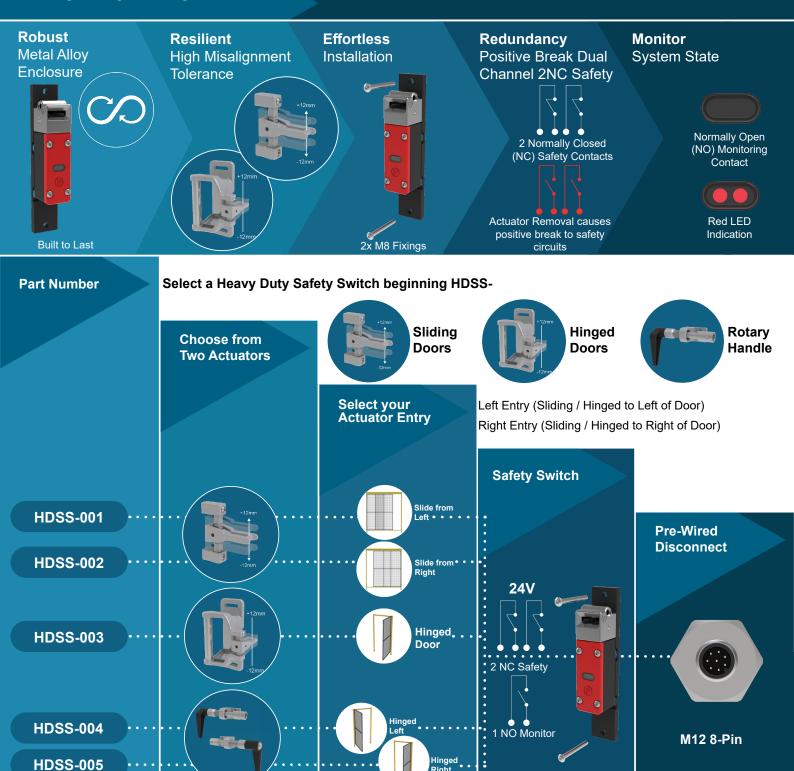




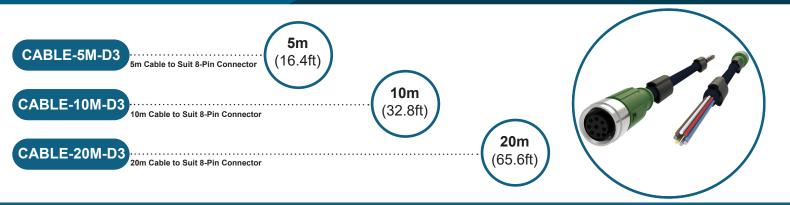


			340		· ·	340		
Non-Locking	<b>~</b>	<b>~</b>	<b>~</b>				<b>✓</b>	<b>~</b>
Locking				<b>~</b>	<b>~</b>	<b>~</b>		
Safety Contacts	2NC	2NC	OSSD PNP	2NC	2NC	OSSD PNP	2NC	2NC
Performance Level	Ple	PLd	Ple	Ple	PLd	Ple	Ple	Ple
Monitoring	1NO & LED Status	1NO & LED Status	1NO & LED Status	2 x 1NO & LED Status	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
Missignment conshilty, missignment of setuctor and conserve with network and guardy V/V/Z where V is distance to setuctor. V is herizontal missignment and Z is vertical missignment.								

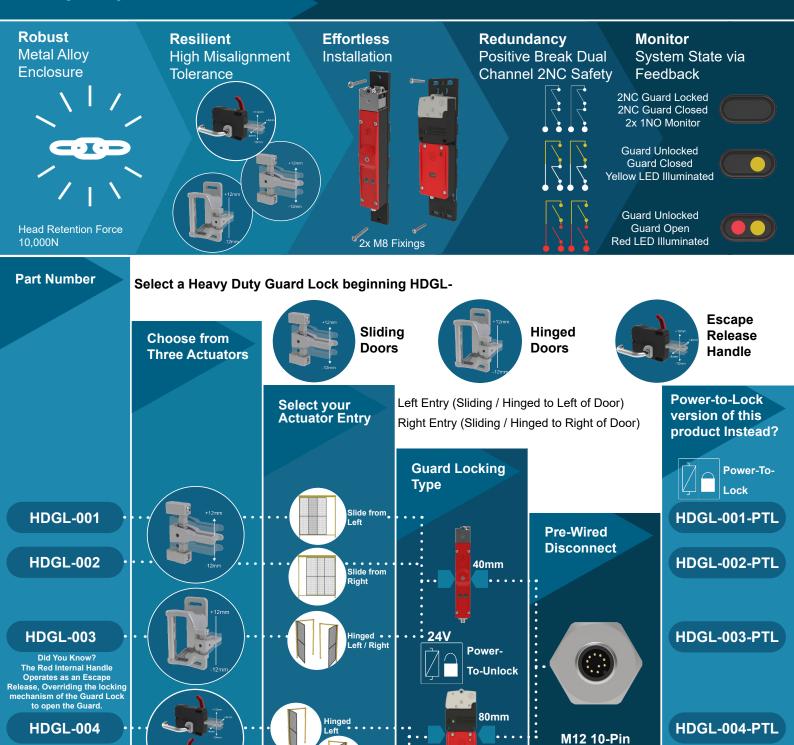
# **Heavy Duty Safety Switch**



# Do you need a cable with this product?

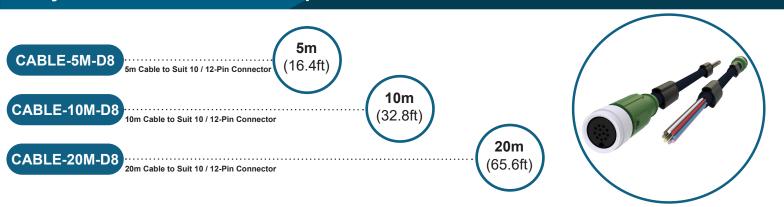


# **Heavy Duty Guard Lock**



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

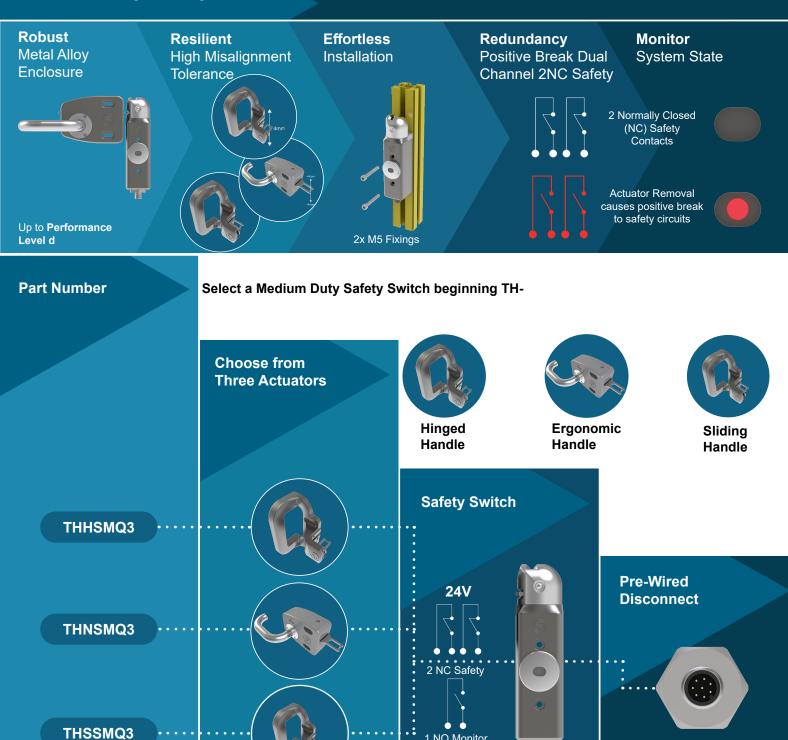
**HDGL-005** 



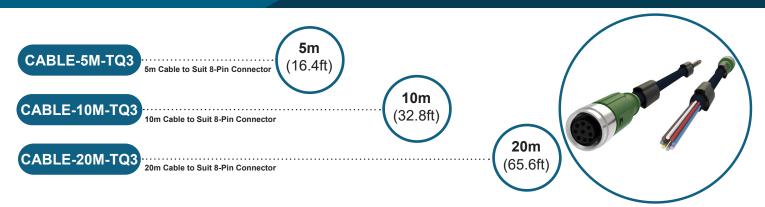
Hinged Right

HDGL-005-PTL

# **Medium Duty Safety Switch**



# Do you need a cable with this product?



1 NO Monitor

M12 8-Pin

# **Medium Duty Guard Lock**







Redundancy
Positive Break Dual
Channel 2NC Safety

**Monitor** System State via Feedback

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** 

Select a Medium Duty Guard Lock beginning TH-









Ergonomic Handle

Sliding Handle

THNSMDUQM

**THHSMDUQM** 

THSSMDUQM



Pre-Wired Disconnect



**Medium Duty Control Only** 

THCETP6P7QM



Blue Pushbutton

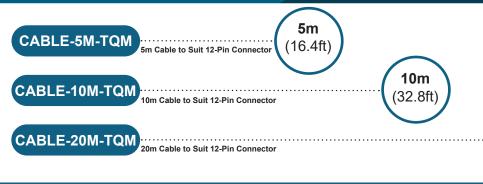


White Pushbutton





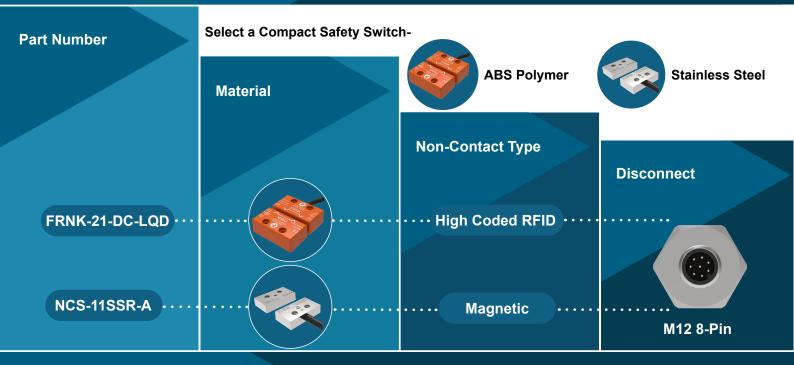
# Do you need a cable with this product?



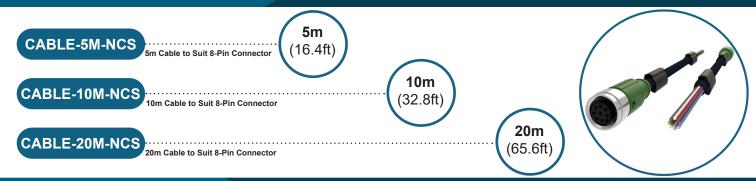




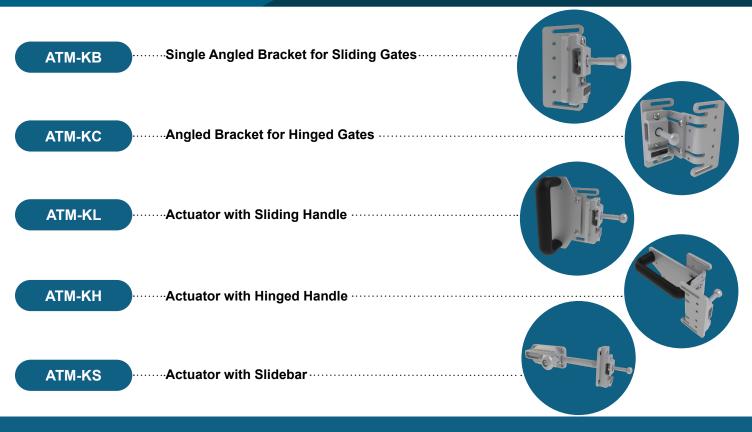
### **Compact Safety Switch**



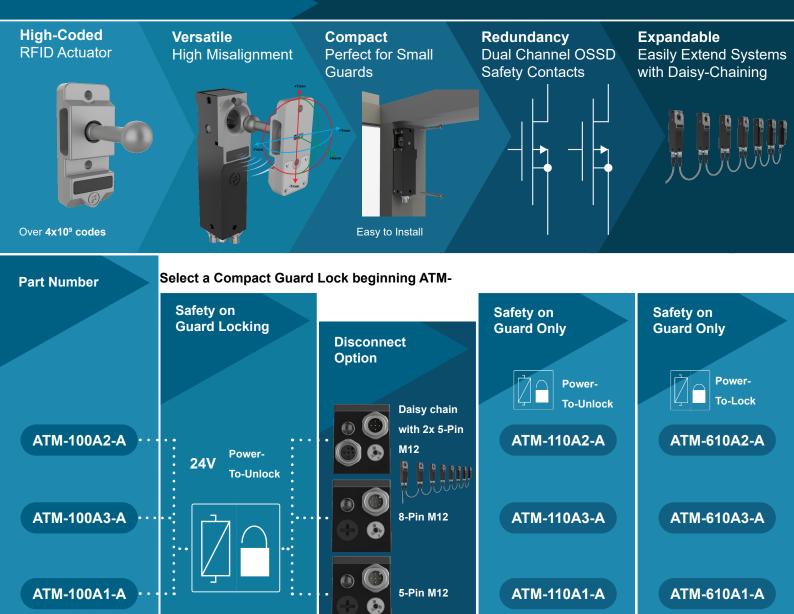
# Do you need a cable with this product?



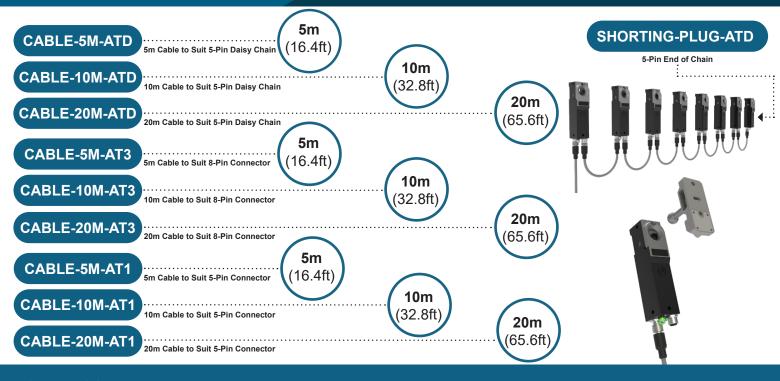
# **Accessories - Compact Guard Lock**



# **Compact Guard Lock**



# Do you need a cable with this product?



Notes:	



# 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.



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