



New!

Now accepting Orders!

All New Explosion Proof Products from Fortress

- Solenoid Locking
 - Key Exchange
 - Bolt Style

Safety Interlocks

- ATEX and IECEx Range
- North America – Class I Div. 2, Class II Div. 2



Fortress has officially released the **All-New** line of explosion proof safety interlock switches. The Alfred range of interlocks were specifically designed for highly volatile environments keeping people safe from machinery and the risk of explosion.

Please contact your Powermation sales representative to help with your application needs

The Alfred Range includes:

Electromechanical Products:

- Solenoid controlled Gate locks
- Gate Switches
- Gate Switches with Escape Release Bolt Module with monitoring switch
- Key Exchange with Solenoid control
- Key Exchange with monitoring switch Mechanical products

Mechanical products

- Mechanical only Gate locks
- Bolt Modules (BMS)
- Key Exchange (XMS)



Key Features:

- Stainless Steel
- 10,000 Newton Retention Force
- Modular and customizable
- Up to Ple, Cat. 4, SIL3
- IP69 certification
- North America - Class I Div. II, Grps A,B,C,D T4
 - Class II Div. II, Grps E,F,G T110°C
 - Class III, Div. II
- ATEX and IECEx to Zone 1/21
- Ambient Temp -20°C to 60°C
- Silicone Free
- Gas & Dust Applications



FORTRESS

INTERLOCKS

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- North America – Class I Div. 2,
Class II Div. 2



Suitable for Div 2, Zone 1 / 21, 2 / 22

Outside the explosive atmosphere

Range of interlocks with third party certification up to **SIL 3, Cat 4, PLe**



Class I, Division 2, Groups A,B,C,D T4
Class II, Division 2, Groups E,F,G T110°C
Class III, Division 2

Class 1, Zone 1, AEx db IIC T4
Class 2, Zone 21, AEx tb IIIC T110°C Db IP67

10kN Head Retention Force

Increase productivity with access control beside EX machinery. Ensure fast efficient access.

Rated to **1,000,000** cycles

Class I Div 2, Class II Div 2, Class III Div 2

Outside the explosive atmosphere

Additional **IP69** certification

Customise design with **trapped key & escape release** functionality

Full **316 stainless steel** assembly

Keep all **electrical wiring** and switching **outside** the **explosive atmosphere**.
*Note: Fortress also offer Zone 1, 21, 2, 22 rated switches and solenoids



The **only third party approved** interlocks to **SIL 3, Cat 4, PLe**

Use **key exchanges** to link **electrical components** outside the explosive atmosphere with access.



Full 316 stainless steel assembly

Class I Div 1, Class II Div 1, Class III Div 1

Outside the explosive atmosphere

Rated to **1,000,000** cycles

10kN Head Retention Force

Control access in explosive atmospheres with Alfred solutions.



Suitable for any explosive atmosphere in North America

Suitable for Zone 1 / 21

Suitable for Zone 2 / 22

Outside the explosive atmosphere



Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T85°C Db IP67
Tamb -20°C to +60°C

Range of interlocks with third party certification up to SIL 3, Cat 4, PLe

Provide **Guard Locking** functionality within **explosive atmospheres**. Prevent access with forced run down using solenoid control.

10kN Head Retention Force

Increase productivity with access control beside EX machinery. Ensure fast efficient access.

Rated to 1,000,000 cycles

Additional IP69 certification

Customise design with **trapped key & escape release** functionality

Full 316 stainless steel assembly

Provide **Guard Switch** functionality within **explosive atmospheres**. Open safety circuits upon access and feedback to control systems.

Suitable for Zone 1 / 21

Suitable for Zone 2 / 22

Outside the explosive atmosphere



Ex II 2 G

Ex h IIC T6 Gb

Ex II 2 D

Ex h IIC T85°C Db
Tamb -20°C to +60°C

Keep all **electrical wiring** and switching **outside** the **explosive atmosphere**.

*Note: Fortress also offer Zone 1, 21, 2, 22 rated switches and solenoids



The **only third party approved** interlocks to **SIL 3, Cat 4, PLe**

Use **key exchanges** to link **electrical components** outside the explosive atmosphere with access.



Full 316 **stainless steel** assembly

