



Product Service

# CERTIFICATE

No. Z10 080346 0031 Rev. 00

**Holder of Certificate:** **Fortress Interlocks Ltd**  
2 Inverclyde Drive  
Wolverhampton, West Midlands WV4 6FB  
UNITED KINGDOM

**Certification Mark:**



**Product:** **Safety components**

**Safety Interlocks**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** FW96938T

**Valid until:** 2026-07-14

**Date,** 2021-07-15

( Christian Dirmeier )

# CERTIFICATE

No. Z10 080346 0031 Rev. 00

**Parameters:** F<sub>Zh</sub>: 7 kN  
 B<sub>10d</sub>: 5,000,000 operations  
 Ambient Temperature: -20 °C to +60 °C  
 Environment: Indoor & Outdoor  
 Ingress Protection: IP 67 / IP 69

**Tested according to:** ISO 13849-1:2015  
 ISO 14119:2013

**Model(s):** **Ex Rated Solenoid Controlled Guard Lock and Safety Switch**

**Nomenclature:**

Solenoid Controlled Guard Lock products, Safety Switch products and Mechanical Guard Lock products;

EXP	xx	x	xx	xx	EKxx	SKxxx	AKxxx	Xxxxx
	1	2	3	4	5	6	7	8

Mechanical Key Release or Key Exchange products;

EXP	XMS	x-x-x	-	xxxx	-	x	-	LINK	-	Xxxxx
		9		10		11				8

Bolt Interlocking products;

EXP	BMS	x-x-x	-	xxxx	-	x	-	x	-	xxx-xxx	-	LINK	-	Xxxxx
		9		10		11		12		13				8

**1. Actuators**

<b>TA</b>	Tongue Actuator (62.5mm)
<b>TK</b>	Tongue Actuator (53.5mm)
<b>SA</b>	Shortened Tongue Actuator (34.5mm)
<b>TN</b>	TA Tongue Slidebar
<b>TS</b>	TA Tongue Slidebar with return spring
<b>TI</b>	TA Tongue Slidebar with internal lever
<b>TF</b>	TA Tongue Slidebar with fixed internal lever
<b>SN</b>	SA Tongue Slidebar
<b>SS</b>	SA Tongue Slidebar with return spring
<b>SI</b>	SA Tongue Slidebar with internal lever
<b>SF</b>	SA Tongue Slidebar with fixed internal lever
<b>GT</b>	Extended throw Slidebar with internal lever
<b>HL</b>	Long-Reach Hinged Handle with SA Tongue for front-facing Head

# CERTIFICATE

No. Z10 080346 0031 Rev. 00

<b>HS</b>	Short-Reach Hinged Handle with SA Tongue for front-facing Head
<b>SD</b>	Hand Operated Sprung Actuator
<b>EH</b>	proHandle with external Access Handle and Red Internal Handle
<b>EF</b>	proHandle with Silver external and internal Access Handles
<b>EN</b>	proHandle with external Access Handle and no Internal Handle
<b>EI</b>	proHandle with external Access Handle and internal Escape Release handle
<b>EJ</b>	proHandle with external Access Handle and internal Escape Release handle. Allows closing of door from inside.
<b>MA</b>	Rotary action latching handle (AM Handle)
<b>MI</b>	Rotary action latching handle (AM Handle) with internal lever
<b>NO</b>	No Actuator selected

## 2. Actuator Orientation/ Handing

<b>1</b>	Actuator entry at front
<b>2</b>	Actuator entry at left-hand side
<b>3</b>	Actuator entry at rear
<b>4</b>	Actuator entry at right-hand side

## 3. Head Module

<b>C6</b>	Cap – To terminate products without head modules
<b>S6</b>	Slimline stainless-steel head (40mm)
<b>S8</b>	Slimline stainless-steel head (40mm) with lockout hasp
<b>T6</b>	proAT Head (60mm)
<b>T7</b>	proAT Head (60mm) with drop-down lockout
<b>T8</b>	proAT Head (60mm) with lockout hasp
<b>M6</b>	proAM Rotary action head
<b>M7</b>	proAM Rotary action head with drop-down lockout
<b>M8</b>	proAM Rotary action head with lockout hasp
<b>I6</b>	Key-Reset Escape Release head
<b>I7</b>	Key-Reset Escape Release head with dropdown lockout
<b>A6</b>	Automatic-Reset Escape Release head
<b>A7</b>	Automatic-Reset Escape Release head with dropdown lockout

## 4. Escape Release Module or Gap Filler

<b>R1</b>	Escape Release Module, Key Reset, 40mm internal length
<b>R2</b>	Escape Release Module, Key Reset, 60mm internal length
<b>R3</b>	Escape Release Module, Key Reset, 80mm internal length
<b>R4</b>	Escape Release Module, Key Reset, variable internal length
<b>R6</b>	Escape Release Module, Pull Reset, 40mm internal length
<b>R7</b>	Escape Release Module, Pull Reset, 60mm internal length
<b>R8</b>	Escape Release Module, Pull Reset, 80mm internal length
<b>R9</b>	Escape Release Module, Pull Reset, variable internal length
<b>RW</b>	Escape Release Module, Keyless Reset, 40mm internal length

# CERTIFICATE

No. Z10 080346 0031 Rev. 00

<b>RX</b>	Escape Release Module, Keyless Reset, 60mm internal length
<b>RY</b>	Escape Release Module, Keyless Reset, 80mm internal length
<b>RZ</b>	Escape Release Module, Keyless Reset, variable internal length
<b>GF</b>	Gap Filler / Spacer module
<i>Modules can be either amGardpro or amGardS40 Stainless-Steel variants</i>	

## 5. Extracted Safety Key Module

<b>EKLx</b>	Standard type Extracted Key Module
<b>EKRx</b>	Releasing type Extracted Key Module (to be used in all products containing an Escape Release Head or Module)
<b>EKx1</b>	Standard Lock style (CLIN or CLSN)
<b>EKx2</b>	Standard Lock style with Dustcover (CLIS or CLSS)
<b>EKx3</b>	Standard Lock style with Padlockable Dustcover (CLIL or CLSL)
<b>EKx6</b>	Masterable Lock style (MLIN or MLSN)
<b>EKx7</b>	Masterable Lock style with Dustcover (MLIS or MLSS)
<b>EKx8</b>	Masterable Lock style with Padlockable Dustcover (MLIL or MLSL)
<i>Modules can be either amGardpro or amGardS40 Stainless-Steel variants</i>	

## 6. Safety Key Module

<b>SKLxx</b>	Standard type Safety Key Module
<b>SKRxx</b>	Releasing type Safety Key Module (to be used in all products containing an Escape Release Head or Module)
<b>SKx1x</b>	Standard Lock style (CLIN or CLSN)
<b>SKx2x</b>	Standard Lock style with Dustcover (CLIS or CLSS)
<b>SKx3x</b>	Standard Lock style with Padlockable Dustcover (CLIL or CLSL)
<b>SKx6x</b>	Masterable Lock style (MLIN or MLSN)
<b>SKx7x</b>	Masterable Lock style with Dustcover (MLIS or MLSS)
<b>SKx8x</b>	Masterable Lock style with Padlockable Dustcover (MLIL or MLSL)
<b>SKxxX</b>	Quantity of Safety Key Modules
<i>Modules can be either amGardpro or amGardS40 Stainless-Steel variants</i>	

## 7. Access Key Module

<b>AKLxx</b>	Standard type Access Key Module
<b>AKRxx</b>	Releasing type Access Key Module (to be used in all products containing an Escape Release Head or Module)
<b>AKx1x</b>	Standard Lock style (CLIN or CLSN)
<b>AKx2x</b>	Standard Lock style with Dustcover (CLIS or CLSS)
<b>AKx3x</b>	Standard Lock style with Padlockable Dustcover (CLIL or CLSL)
<b>AKx6x</b>	Masterable Lock style (MLIN or MLSN)
<b>AKx7x</b>	Masterable Lock style with Dustcover (MLIS or MLSS)
<b>AKx8x</b>	Masterable Lock style with Padlockable Dustcover (MLIL or MLSL)
<b>AKxxX</b>	Quantity of Access Key Modules
<i>Modules can be either amGardpro or amGardS40 Stainless-Steel variants</i>	

# CERTIFICATE

No. Z10 080346 0031 Rev. 00

## 8. Ex Rated Solenoid Module or Ex Rated Safety Switch Module

<b>XL411</b>	Ex Rated Solenoid Interlock Module, 24V, Power-To-Unlock, Full Safety-On-Guard-Locking switching
<b>XL416</b>	Ex Rated Solenoid Interlock Module, 24V, Power-To-Unlock, Safety-On-Guard switching
<b>XL461</b>	Ex Rated Solenoid Interlock Module, 24V, Power-To-Lock, Safety-On-Guard switching
<b>XL471</b>	Ex Rated Solenoid Interlock Module, 24V, Power-To-Lock, Full Safety-On-Guard-Locking switching
<b>XT401</b>	Ex Rated Safety Switch, 24V, 2 x N/C, 1 x N/O switches
<b>FT0</b>	Mechanical Foot Module - To terminate mechanical only products without electrical module

## 9. Quantity and Sequence of Locks for EXPXMS and EXPBMS products

<b>X-x-x</b>	Total Quantity of Locks
<b>x-X-x</b>	Quantity of Locks with keys inserted in 'normal state' (NIL)
<b>x-x-X</b>	Quantity of Locks with keys free in 'normal state' (NOL)

## 10. Type of Locks for EXPXMS and EXPBMS products

<b>CLSS</b>	Standard Lock style with Dustcover
<b>CLSL</b>	Standard Lock style with Padlockable Dustcover
<b>MLSS</b>	Masterable Lock style with Dustcover
<b>MLSL</b>	Masterable Lock style with Padlockable Dustcover

## 11. Sequence and Position of Locks for EXPXMS and EXPBMS products

<b>Z</b>	'NIL' style locks at top of stack, partially sequential sequence
<b>Y</b>	'NIL' style locks at top of stack, non-sequential sequence
<b>X</b>	'NOL' style locks at top of stack, non-sequential sequence
<b>W</b>	'NIL' style locks at top of stack, 'NIL' partially sequential sequence, 'NOL' non-sequential sequence
<b>V</b>	'NIL' style locks at top of stack, fully sequential sequence

## 12. Bolt Sequence for EXPBMS products

<b>A</b>	Bolt withdrawn/retracted when unit is in 'normal state'
<b>D</b>	Bolt shot/extended when unit is in 'normal state'

## 13. Bolt throw lengths for EXPBMS products

<b>XXX-xxx</b>	Length of bolt (mm) when withdrawn/retracted
<b>xxx-XXX</b>	Length of bolt (mm) when shot/extended (must be 16mm greater than length when withdrawn)