



America

CERTIFICATE

No. U8V 14 10 80346 003

Holder of Certificate: **Fortress Interlocks Ltd**

2 Inverclyde Drive
Wolverhampton
West Midlands WV4 6FB
UNITED KINGDOM

Production Facility(ies):

80346

Certification Mark:



Product:

**Safety components
Control units**

Model(s):

**amGard Pro
For nomenclature see attachment**

Parameters:

Rated Voltage:	110V	(Switches + Solenoid)
	24V	(Pushbuttons)
Rated Current:	3A	(Switches)
	0,1A	(Pushbuttons)
	0,5A	(Solenoid)
Rated Frequency:	50/60Hz	(Switches)
Degree of protection against liquids:	IP67 (Type 1 Enclosure)	

**Tested
according to:**

UL 508/R:2013-10
CAN/CSA-C22.2 No. 14-13:2013

The product was voluntarily tested according to the relevant safety requirements noted above. It can be marked with the certification mark above. The mark must not be altered in anyway. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC Guide 67. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited certification body.

Test report no.: 028-713040777-000

Date, 2014-10-14

Page 1 of 9





America

ATTACHMENT

to certificate

No. U8V 14 10 80346 003

Nomenclature of amGard Pro

xx	x	xx	xx	EKxx	SKxxx	AKxxx	xx	xxx	xxxxxxxx	Bxxx	xxxx
1	1a	2	3	4	5	6	7	7a	8	9	10

1.)

Actuator

MA	AM Handle
MI	AM Handle with Internal Release
TA	AT Tongue
TK	Short AT Tongue
TN	Slidebar without a spring
TS	Slidebar with a return spring
TI	Slidebar with internal handle but no return spring
TM	Slidebar with Internal handle c/w TK Short Tongue
TG	Slidebar with Internal handle for GM
TF	Slidebar with Internal handle c/w spacer behind the knob
EN	proHandle, no Internal Release
EH	proHandle
EI	proIR Handle to allow emergency release (only to be used with I6 or I7 head).

1a)

Handing

1	Front Facing
2	Left Hand
3	Rear Facing
4	Right Hand



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2.)

Head Module

C6	To terminate assemblies without heads
M6	proAM Head
M7	proAM Head c/w Drop Down Lockout
M8	proAM Head c/w Lock-Out Clip
T6	proAT Head
T7	proAT Head c/w Drop Down Lockout
T8	proAT Head c/w ATL Lock-Out Clip
I6	proIR Head (only works in conjunction with EI handle)
I7	proIR Head c/w drop down lockout (only works in conjunction with EI handle)

3.)

Push IR

R1	Key Reset (up to 40mm panel thickness)
R2	Key Reset (up to 60mm panel thickness)
R3	Key Reset (up to 80mm panel thickness)
R4	Key Reset (variable length - for panel thickness over 80mm and up to 1m)
R6	Pull Reset (up to 40mm panel thickness)
R7	Pull Reset (up to 60mm panel thickness)
R8	Pull Reset (up to 80mm panel thickness)
R9	Pull Reset (variable length for panel thickness over 80mm and up to 1m)
RW	Front Reset no key (up to 40mm panel thickness)
RX	Front Reset no key (up to 60mm panel thickness)
RY	Front Reset no key (up to 80mm panel thickness)
RZ	Front Reset no key (variable length for panel thickness over 80mm up to 1m)

4.)

Extracted Key Adaptor

Lx	Standard Lock
Rx	Releasing Lock (must be used if a PushIR or EI Handle and Head used).
x1	Standard Lock no dustcover CLIN
x2	Standard Lock with dustcover CLIS
x3	Standard Lock with padlockable dustcover CLIL
x6	Masterable Lock no dustcover MLIN
x7	Masterable Lock with dustcover MLIS
x8	Masterable Lock with padlockable dustcover MLIL



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5.) **Safety Key Adaptor**

Lxx	Standard Lock
Rxx	Releasing Lock (must be used if a PushIR or EI Handle and Head used).
x1 x	Standard Lock no dustcover CLIN
x2 x	Standard Lock with dustcover CLIS
x3 x	Standard Lock with padlockable dustcover CLIL
x6 x	Masterable Lock no dustcover MLIN
x7 x	Masterable Lock with dustcover MLIS
x8x	Masterable Lock with padlockable dustcover MLIL
xxX	1 – 9 No. of Safety Lock Adaptors required

6.) **Access Key Adaptor**

Lxx	Standard Lock
Rxx	Releasing Lock (must be used if a PushIR or EI Handle and Head used).
x1 x	Standard Lock no dustcover CLIN
x2 x	Standard Lock with dustcover CLIS
x3 x	Standard Lock with padlockable dustcover CLIL
x6 x	Masterable Lock no dustcover MLIN
x7 x	Masterable Lock with dustcover MLIS
x8x	Masterable Lock with padlockable dustcover MLIL
xxX	1 – 9 No. of Safety Lock Adaptors required

7.) **proBody Unit**

SL	Short Lok Body
SR	Short Lok Body - Releasing (must be used if a pushIR or EI handle and head used).
LL	Long Lok Body
LR	Long Lok Body - Releasing (must be used if a pushIR or EI handle and head used).
ST	Stop Body
EX	EU Explosion Stop Body
UX	US Explosion Stop Body
FT	To Terminate non-switch configurations



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7a) proBody Unit Options

0xx	No Voltage (eg Foot)
1xx	110V
2xx	230V
4xx	24V
5xx	100V
6xx	115V
7xx	48V
8xx	ASi
Sxx	110v Solenoid / 24v Control (LOK only)
Cxx	110v Control / 24v Solenoid (LOK only)
x0x	Stop/EXP/UXP
x1x	PTU - Key Reset
x2x	PTU - Knob Reset
x3x	PTU - Screwdriver Reset
x6x	PTL (24v, 110v & ASi only)
xx1	Std & Sourcing
xx2	Std & Sinking
xx3	Std & Sourcing (3 x NC)
xx4	Std & Sourcing (Y&G LEDS)
xx6	Un-Monitored Sol & Sourcing
xx7	Un-Monitored Sol & Sourcing (Y&G LEDS)
xx8	Std & Sourcing, Sol (1NO, 1NC) Head (1NO, 1 NC)



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8.) **proOption Pod or proLok+ Body Options**

BK0x	Stand alone Pod with no holes on top of pod case (stand alone unit)
BK1x	Pod with one hole on top of pod case for fitting to proStop Body
BK2x	Pod with two holes on top of pod case for fitting to proLOK Body
BKx1	Standard Lock no dustcover CLIN
BKx2	Standard Lock with dustcover CLIS
BKx3	Standard Lock with padlockable dustcover CLIL
BKx6	Masterable Lock no dustcover MLIN
BKx7	Masterable Lock with dustcover MLIS
BKx8	Masterable Lock with padlockable dustcover MLIL
B0xxxxx	Stand alone Pod with No holes on top of pod case (stand-alone unit)
B1xxxxx	Pod with one hole on top of pod case for fitting to proStop Body
B2xxxxx	Pod with two holes on top of pod case for fitting to proLOK Body
L0xxxxx	proLok+ Body switch information
0	Blank
1	Red Lamp
2	Yellow Lamp
3	Green Lamp
6	Blue Lamp
7	White Lamp
E	E-Stop (twist reset)
H	E-Stop (with additional monitoring contacts, twist reset)
P	E-Stop (pull reset)
U	E-Stop (illuminated twist reset)
L	Latching selector switch (illuminated)
M	Momentary selector switch (illuminated)
V	Latching selector switch (1 NO, 1 NC)
A	Latching key switch (90 degree)
R	Red illuminated push button non latching
Y	Yellow illuminated push button non latching
G	Green illuminated push button non latching
B	Blue illuminated push button non latching



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W	White illuminated push button non latching
K	Black non illuminated push button non latching
xxxxxx N	No additional switch required
xxxxxx C	Coded Magnet - Left Hand
xxxxxx D	Coded Magnet - Right Hand
xxxxxx S	RFID - Left Hand
xxxxxx T	RFID - Right Hand

9.) **Keyswitch Option Pod & ASi Option Pod**

K2x	Pod with two holes on top of pod case for fitting to proLOK Body
Kx1	Standard Lock no dustcover CLIN
Kx2	Standard Lock with dustcover CLIS
Kx3	Standard Lock with padlockable dustcover CLIL
Kx6	Masterable Lock no dustcover MLIN
Kx7	Masterable Lock with dustcover MLIS
Kx8	Masterable Lock with padlockable dustcover MLIL
0	Blank
1	Red Lamp
2	Yellow Lamp
3	Green Lamp
6	Blue Lamp
7	White Lamp
E	E-Stop (twist reset)
H	E-Stop (with additional monitoring contacts, twist reset)
P	E-Stop (pull reset)
U	E-Stop (illuminated twist reset)
L	Latching selector switch (illuminated)
M	Momentary selector switch (illuminated)
V	Latching selector switch (1 NO, 1 NC)
A	Latching key switch (90 degree)
R	Red illuminated push button non latching
Y	Yellow illuminated push button non latching
G	Green illuminated push button non latching
B	Blue illuminated push button non latching
W	White illuminated push button non latching



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K	Black non illuminated push button non latching
xxxxxxN	No additional switch required
xxxxxxC	Coded Magnet - Left Hand
xxxxxxD	Coded Magnet - Right Hand
xxxxxxS	RFID - Left Hand
xxxxxxT	RFID - Right Hand
A1_	ASi Option pod with Control only PCB
A2_	ASi Option pod with Safety only PCB
A3_	ASi Option pod with 1 Safety and 1 Control PCB
A4_	ASi Option pod with 2 Safety only PCB
A5_	ASi Option pod with 1 Control and 2 Safety PCB
A6_	ASi Option pod with 3 Safety only PCB
A7_	ASi Option pod with 1 Control and 3 Safety PCB



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10.)

Quick Disconnect Connector Options

XXXX	Left Hand QD/Right Hand QD
00	No Connector
D1	PG9 5 Pin Connector
D2	12 Pin Male Connector
D3	8 Pin Micro Connector
D4	7 Pin Mini Connector
D5	5 Pin Micro Connector
D6	14 Pin Quick Disconnect
D7	10 Pin Quick Disconnect
D8	12 Pin Eurofast Quick Disconnect
D9	Turck 12 Pin Connector
E1	Turck 4 Pin Connector
E2	8 Pin Male Connector

Department:

ITES

Date:

2014-10-14

Page 9 of 9