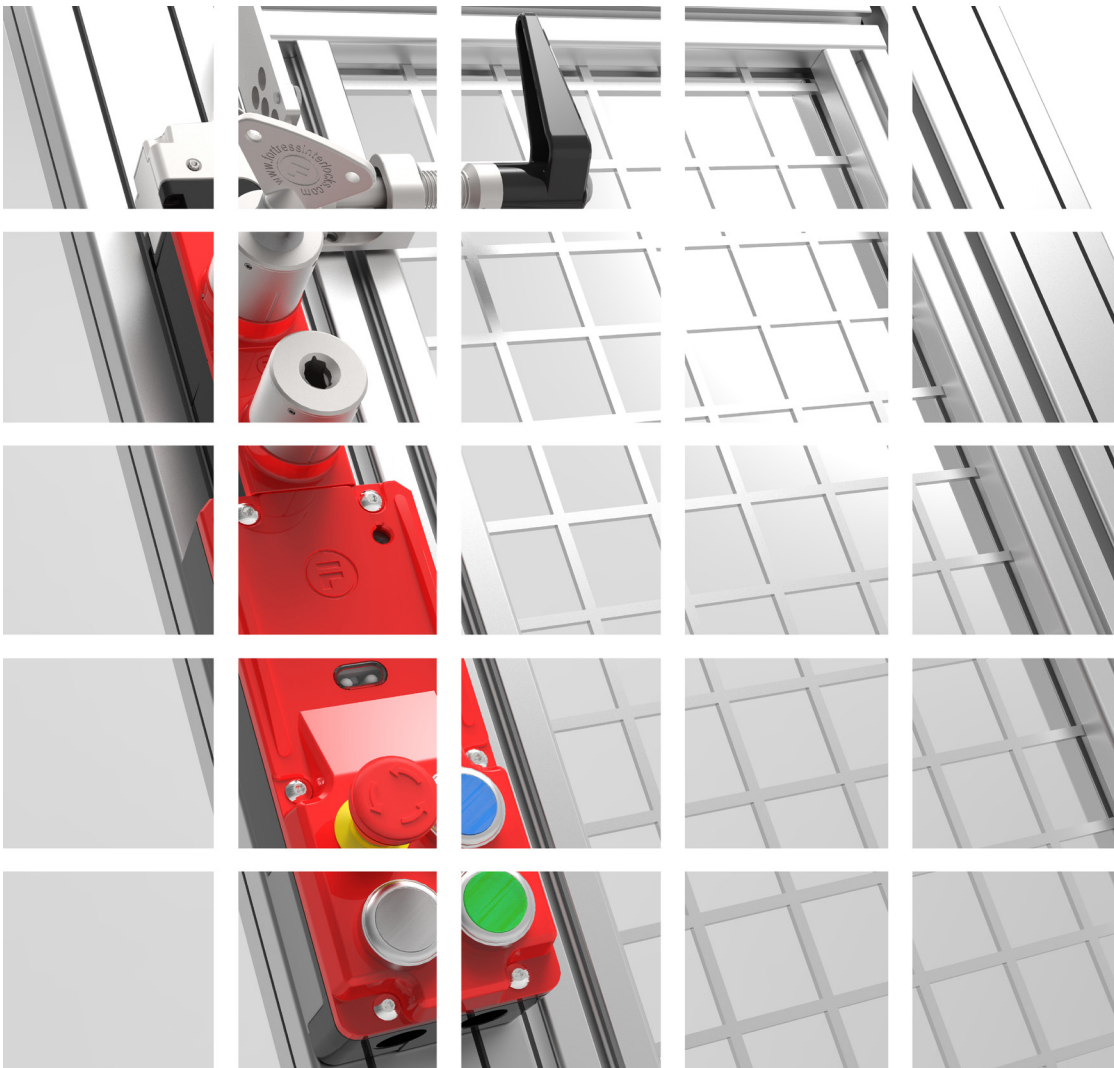

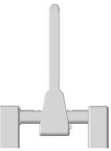












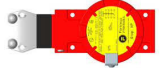

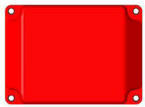






**am** **Gard**  
*pro* **Modular Safety Gate Switches**  
for Machine Guarding Applications



**amGardpro**

<p><b>Actuators</b></p> <p>AM Handle</p>  <p>MA*</p>	<p>AT Tongue</p>  <p>TA*</p>	<p>Slidebar</p>  <p>T1* TN* TS*</p>	<p>All in 1 Head &amp; Handle Combination</p>  <p>I6 I7 E12 E14</p>	<p>EH Handle</p>  <p>EH2 EH4</p>	
<p><b>Head Modules</b></p> <p>Cap</p>  <p>C6</p>	<p>AM Head</p>  <p>M6 M7 M8</p>	<p>AT Head</p>  <p>T6 T7 T8</p>			
<p><b>Adaptors</b></p> <p>Extracted Key Adaptor</p>  <p>EK** EL**</p>	<p>Safety Key Adaptor</p>  <p>SC** SD** SK** SL**</p>	<p>Access Key Adaptor</p>  <p>AK** AL**</p>	<p>Internal Release</p>  <p>R1 R2 R3 R4 R6 R7 R8 R9</p>		
<p><b>Electrical Switching / Locking</b></p> <p>Extended Solenoid Controlled Switch Body</p>  <p>LL** LR**</p>	<p>Non Solenoid Switch Body</p>  <p>ST**</p>	<p>Solenoid Controlled Switch Body</p>  <p>SL*** SR***</p>	<p>Explosion Proof Safety Switch Body</p>  <p>EX UX</p>	<p>Foot</p>  <p>FT0</p>	
<p><b>Option Pods</b></p> <p>RFID Pod</p>  <p>B0* B1* B2*</p>	<p>Key Switch Pod</p>  <p>BK** BL**</p>	<p>Pushbutton / Lamp Pod</p>  <p>B0*** B1*** B2***</p>	<p>AM Lock-Out Clip</p>  <p>AML</p>	<p>AT Lock-Out Clip</p>  <p>ATL</p>	
<p><b>Accessories</b></p>					<p>Drop Down Lock-Out</p>  <p>DD7</p>

# amGard<sub>pro</sub> Combining Safety with Control

“amGard<sub>pro</sub> is the ultimate range of modular safety gate switch interlocks for heavy duty applications. Its unique modular construction allows easy configuration and provides total electro-mechanical solutions for practically any safeguarding application up to SIL3 (EN/IEC 60261) Category 4 and PLe (EN/ISO 13849-1).

With its unrivalled design concept, amGard<sub>pro</sub> offers a range of fully integrated safety interlocks, including solenoid and non-solenoid safety switches complete with a host of additional options including key control modules, emergency release, redundant sensors, lock out/tag out and push buttons, estops and indication lights for enhanced functionality. The robust construction of this range makes it ideal for use in a wide range of industrial applications when safety, strength and reliability are of paramount importance.

The amGard<sub>pro</sub> system replaces all adaptations normally fitted within a guarding system, such that additional hardware like door catches, actuators, closing mechanisms, internal release mechanisms, key functions including authorised access and deadlocks are no longer needed. All of these separate functions can be incorporated into amGard<sub>pro</sub> configurations, resulting in the most flexible safety interlock solution available for today’s industrial environment.

### Improved Standards Compliance

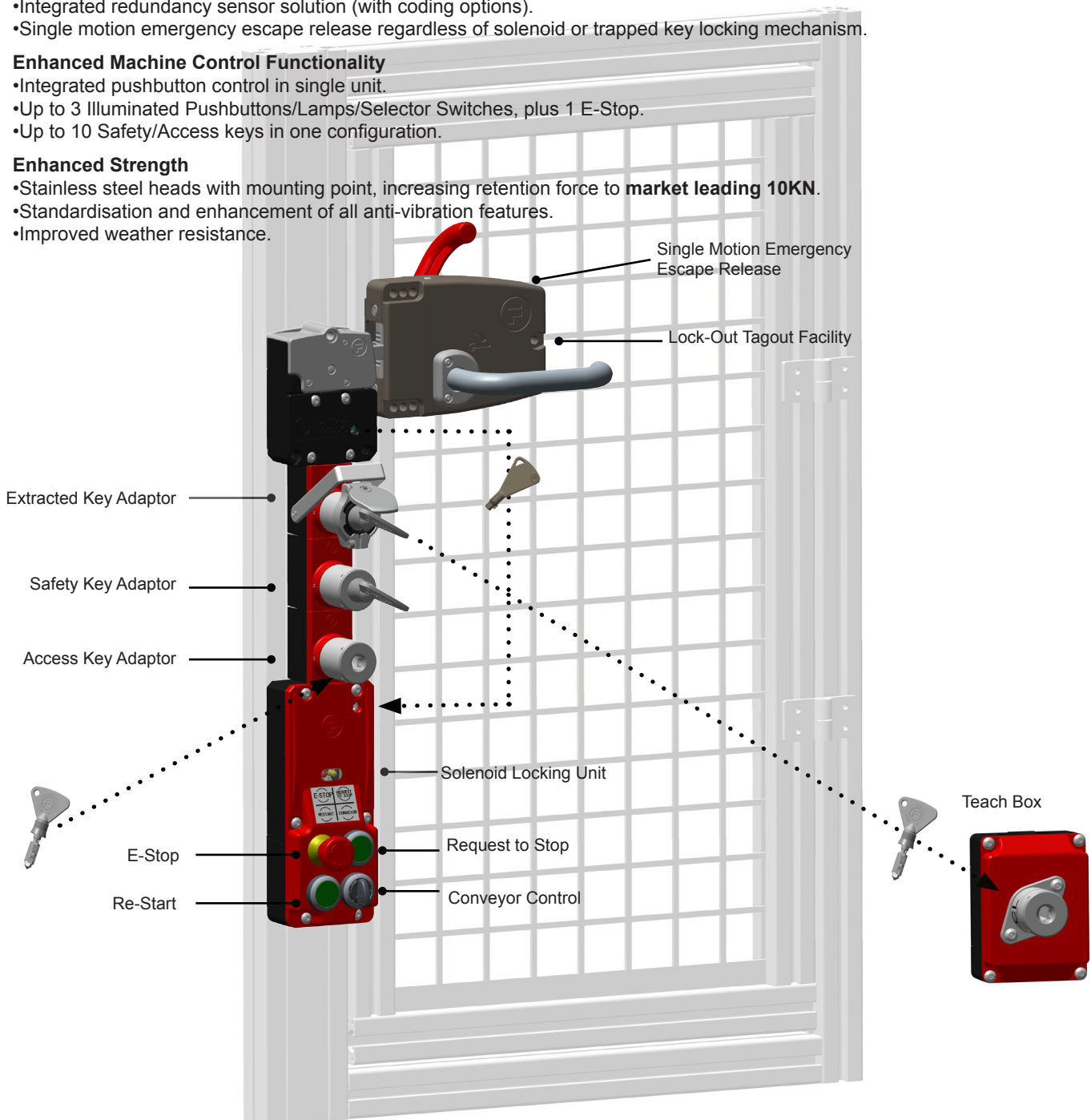
- Complies with all new and forthcoming machine safety standards.
- Integrated redundancy sensor solution (with coding options).
- Single motion emergency escape release regardless of solenoid or trapped key locking mechanism.

### Enhanced Machine Control Functionality

- Integrated pushbutton control in single unit.
- Up to 3 Illuminated Pushbuttons/Lamps/Selector Switches, plus 1 E-Stop.
- Up to 10 Safety/Access keys in one configuration.

### Enhanced Strength

- Stainless steel heads with mounting point, increasing retention force to **market leading 10KN**.
- Standardisation and enhancement of all anti-vibration features.
- Improved weather resistance.





B	K	Without Key
B	L	With Key
0	0	No holes on top of case (stand-alone unit)
1	1	One hole on top of case (fitment to STOP)
2	2	Two holes on top of case (fitment to LOK)
1	1	CL without Dustcover (CLIN)
2	2	CL with Dustcover (CLIS)
3	3	CL with Lock Out DC (CLIL)
6	6	ML without Dustcover (MLIN)
7	7	ML with Dustcover (MLIS)
8	8	ML with Lock Out DC (MLIL)
B	L	Separate Pod Info for Long LOK
0	0	No holes on top of case (stand-alone unit) or info for Long LOK
1	1	One hole on top of case (fitment to STOP)
2	2	Two holes on top of case (fitment to LOK)
0	0	Blank
1	1	Red Lamp
2	2	Yellow Lamp
3	3	Green Lamp
6	6	Blue Lamp
7	7	White Lamp
E	E	E-Stop (twist reset)
P	P	E-Stop (illuminated & twist reset)
U	U	Latching selector switch (illuminated)
L	L	Momentary selector switch (illuminated)
M	M	Red illum. Push Button Non Latching
R	R	Yellow illum. Push Button Non Latching
Y	Y	Green illum. Push Button Non Latching
G	G	Blue illum. Push Button Non Latching
W	W	White illum. Push Button Non Latching
N	N	Black non illum. Push Button Non Latching
C	C	No Non-Contact Switch
M	M	Mag LH
D	D	Mag RH
S	S	RFID LH
T	T	RFID RH

X	0	1
X	0	2
X	0	3
...	...	...
X	9	9

T	A	AT Standard
T	K	AT Short Handle
E	H	No Int Handle
E	N	IR Handle
T	I	SBI Slidebar
T	M	SBM Slidebar
T	N	SBN Slidebar
T	G	SBG Slidebar
T	S	SBS Slidebar
T	F	SBF Slidebar
M	A	AM Standard
M	I	AM IR Handle
N	O	No Actuator
1	1	Front
2	2	Left Hand
3	3	Back
4	4	Right Hand

E	K	Without Key
E	L	With Key
L	L	Standard
R	R	Releasing
2	2	CLIS
7	7	MLIS

A	K	Without Key
A	L	With Key
L	L	Standard
R	R	Releasing
1	1	CLIN
2	2	CLIS
3	3	CLIL
6	6	MLIN
7	7	MLIS
8	8	MLIL

Number here denotes quantity of Access locks in stack

Actuator	Head	Push IR	Extracted Key	Safety Key	Access Key	LOCKS & STOPS	POD 1 (or info for long LOK)	POD 2	Quick Disconnect	Special !								
T	G	Std AT	S	C	S	L	Short LOK	T	0	0	0	1	0	1	0	0	1	
T	7	DD LO AT	S	K	S	R	Short Releasing LOK	T	0	0	0	2	0	2	0	2	0	2
T	8	Std AT + ATL	S	D	L	L	Long LOK	T	0	0	0	0	3	0	3	0	3	
M	6	Std AM	S	L	L	R	Long Releasing LOK	!	!	!	!	!	!	!	!	!	!	
M	7	DD LO AM	L	L	S	T	STOP	T	9	9	9	9	9	9	9	9	9	
M	8	Std AM + AML	R	R	E	X	EU Explosion STOP	!	!	!	!	!	!	!	!	!	!	
I	6	All in 1	L	L	U	X	US Explosion STOP	!	!	!	!	!	!	!	!	!	!	
I	7	DD LO All in 1	R	R	F	T	Foot	!	!	!	!	!	!	!	!	!	!	
C	6	Cap	L	L	F	T	No Voltage (eg Foot)	!	!	!	!	!	!	!	!	!	!	
R	1	Key Reset 40mm	0	0	0	0	110v	!	!	!	!	!	!	!	!	!	!	
R	2	Key Reset 60mm	1	1	1	1	230v	!	!	!	!	!	!	!	!	!	!	
R	3	Key Reset 80mm	2	2	2	2	24v	!	!	!	!	!	!	!	!	!	!	
R	4	Key Reset Var	5	5	5	5	100v	!	!	!	!	!	!	!	!	!	!	
R	6	Pull Reset 40mm	6	6	6	6	115v	!	!	!	!	!	!	!	!	!	!	
R	7	Pull Reset 60mm	7	7	7	7	48v	!	!	!	!	!	!	!	!	!	!	
R	8	Pull Reset 80mm	8	8	8	8	ASI	!	!	!	!	!	!	!	!	!	!	
R	9	Pull Reset var	C	C	C	C	110v Solenoid / 24v Control	!	!	!	!	!	!	!	!	!	!	
							STOP/EXP/UXP	!	!	!	!	!	!	!	!	!	!	
							PTU - Key Reset	!	!	!	!	!	!	!	!	!	!	
							PTU - Knob Reset	!	!	!	!	!	!	!	!	!	!	
							PTU - Screwdriver	!	!	!	!	!	!	!	!	!	!	
							PTL	!	!	!	!	!	!	!	!	!	!	
							1 Std & Sourcing	!	!	!	!	!	!	!	!	!	!	
							2 Std & Sinking	!	!	!	!	!	!	!	!	!	!	
							3 Std & Sourcing (3 X NC)	!	!	!	!	!	!	!	!	!	!	
							4 Std & Sourcing (Y&G LEDS)	!	!	!	!	!	!	!	!	!	!	
							5 Un-Monitored Sol & Sourcing	!	!	!	!	!	!	!	!	!	!	
							6 Un-Monitored Sol & Sourcing (Y&G LEDS)	!	!	!	!	!	!	!	!	!	!	
							7 Un-Monitored Sol & Sourcing (Y&G LEDS)	!	!	!	!	!	!	!	!	!	!	

RH QD - A1 to Z9 each number representing a type of QD or 00 if blank

LH QD - A1 to Z9 each number representing a type of QD or 00 if blank

T Wiring diagram number