

Control / Solenoid  
power to unlock

Part N°  
LOKASI

- Head Modules & Actuators
- Adaptors
- Electrical Switching/Locking
- Option Pods

» Solenoid Controlled Lock Body AS-interface

**LOKASI**



### Solenoid Controlled Lock Body AS-interface

Energing the solenoid breaks the dual safety circuits to shut down the motive power to the machine

- Ideal for machines with run-down cycles
- LED indicators for status identification
- Solenoid override facility for increased safety in the event of a power failure
- To be used with safety relay and/or safety PLC control systems
- European, Canadian and North American approvals
- For use in AS-i Safe environments

### Safety Data

Standards	EN60947-5-1:2007 EN1088:1996 EN13849-1:2008 EN13849-2:2012 EN62061:2005	
Certifications	CE marked for all applicable directives	
Category	Cat. 4, PLe (EN/ISO 13849-1) and SIL3 (EN/IEC 62061)	
Functional safety data	B10d	5,000,000
	DC	High 99% (with correct monitoring)

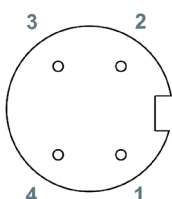
### amGard range

amGard is a modular, heavy duty, control interlocking range that provides both safety and security. amGard incorporates dual channel safety circuits to allow cross monitoring. A variety of actuators and adaptable mounting arrangements results in a long life cycle and minimum downtime. Suitable for use in applications up to SIL3 (EN/IEC 62061), Category 4 and PLe (EN/ISO 13849-1), amGard is ideal for use in harsh environments and is tested to 1,000,000 operations.

### Technical Specification

Housing Materials	Zinc Alloy to BSEN12844
Paint Finishes	Gloss Powder Coat on Passivated Base Material
Ingress Protection	IP67
Mechanical Life	>1,000,000 Switching Cycles
Ambient Temperature	-5°C to + 40°C (23°F to 104°F)
Switches Conformance	DIN VDE 0060 Part 206 & IEC 947-5-1
Switching Contact Element	2NC and 2NO
Safety Circuit Switching Principal	Positive Break
Isolating Distance	2 x 2mm Per Switch Element
Element Contact Material	90% Silver and 10% Nickel
Utilisation Category	AC 15 or DC 13
Insulating Resistance	20M Ohm
Insulating Voltage	2500V AC
Solenoid Power Rating	12W (Solenoid current at Nominal 24V dc = 500mA. Quasient current = 350mA)
Solenoid Rating (Duty Cycle)	100%
Solenoid Voltage Tolerance	90% to 110% of nominal
Connector Type	M12 male

### Wiring Diagram



1. AS-i +
2. M
3. AS-i -
4. L24

### Modular Arrangement

The modular arrangement of the amGard range allows to select and configure products. The following items can be used in conjunction with the Solenoid Controlled Lock Body:

Head Module Options	Part N°
Handle Actuator and Head	AM
Tongue Actuator and Head	AT
Slidebars	SBN, SBS, SBI
Adaptors & Foot	Part N°
Safety Key Adaptor(s) *	S1 » S5
Access Key Adaptor(s) *	A1 » A5
Single Lock-Out Padlock Adaptor	LO
Dual Lock-Out Padlock Adaptor	LT
Option PODs	Part N°
Key Switch Option POD AS-i *	PODKASI
Indicator Lamp Option POD AS-i	PODLASI
Pushbutton Option POD AS-i	PODBASI

\* Keys and lock types must be specified separately

### Dimensional Drawing

