

Control / Solenoid
24V AC/DC / 24V AC/DC
110V AC / 110V AC

Part N°
LOK024024PL
LOK110110PL

Head Modules & Actuators

Adaptors

Electrical Switching/Locking

Option Pods

» Solenoid Controlled Lock Body (power to lock)

LOKPL



Solenoid Controlled Lock Body (power to lock)

De-energising 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
- Split voltage available on request
- To be used with safety relay and/or safety PLC control systems
- European, Canadian and North American approvals

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)

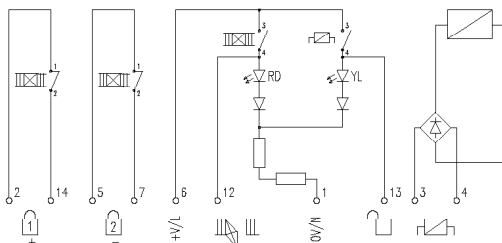
amGard range

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
Switches Conformance	DIN VDE 0060 Part 206 & IEC 947-5-1
Switching Contact Element	2NC and 2NO
Safety Circuit Switching Principal	Positive Break
Maximum Switch Current	3A
Maximum Switching Voltage	230V AC Max
Isolating Distance	2 x 2mm Per Switch Element
Element Contact Material	90% Silver and 10% Nickel
Utilisation Category	AC 15 or DC 13
Control Voltages	24V ac/dc, 110V ac
Insulating Resistance	20M Ohm
Insulating Voltage	2500V AC
Solenoid Power Rating	12W (Solenoid current at Nominal 24V dc = 500mA. Quasi-silent current = 350mA)
Solenoid Rating (Duty Cycle)	100%
Solenoid Voltage	24V ac/dc, 110V ac
Solenoid Voltage Tolerance	90% to 110% of nominal

Wiring Diagram



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 (power to lock) module:

Head Module Options

Handle Actuator and Head	AM
Tongue Actuator and Head	AT
Slidebars	SBN, SBS, SBI

Adaptors & Foot

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

Key Switch Option POD *	PODK
Indicator Lamp Option POD	PODL
Pushbutton Option POD	PODB

* Keys and lock types must be specified separately

Dimensional Drawing

