



AIES-FSS-E-1

AIES - Dual Key Access Interlock with Safety Switch

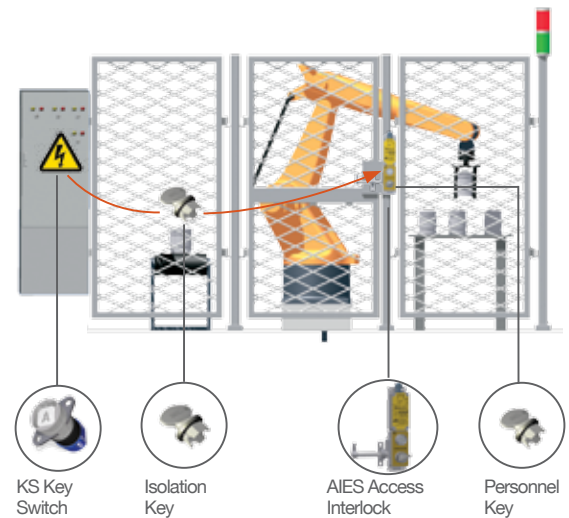
- Dual key access interlock
- Complete with electrical contacts
- Suitable for use on hinged or sliding doors
- The contacts can be used to switch off the machine via its control circuitry or to initialize a signal to visual beacons/sounders
- The switch is sealed to IP65 with 1N/O 2N/C contacts, it is rated to 6 A
- Ideal for use in cross monitored safety systems
- Manufactured in a durable stainless steel
- Ideal for use in harsh or corrosive environments and where the lock is subject to heavy duty use
- Available in a double key or exchange key condition
- Shear force of bolt: 24KN

Application

A typical application of the AIES access interlock with safety switch is machine guarding with full body access. The AIES is used as part of a safety system, which ensures a machine is shut down, before access to the hazardous area is allowed.

The system involves a KS key switch for the electrical supply. The removal of the isolation key from the key switch isolates the electrical supply to the machine. This key is taken to the AIES and inserted into the lock. Turning the key changes the contacts in the AIES. Connected to a traffic light or another display it indicates the access to machine area can be gained. Rotating the isolation key also allows the release of the personnel key and then the side bolt, which traps the isolation key. The personnel key is then taken into the area by the operative to safeguard themselves against accidental lock-in and start-up.

The machine cannot be restarted until the personnel key is returned, the bolt is replaced in the AIES and the isolation key is removed and taken to the KS key switch.



Order Information

	Product Type	1	2	3	4*	5	6
Part Number	AIES						
Example	AIES	FS	S	E	(KT)	1	TBA

1	Lock portion type	FS ⁽¹⁾ / Q ⁽¹⁾
2	Material	S = Stainless steel, standard
3	Key Condition 1	E = Exchange key condition / D = Double key condition (sequential removal of both keys)
4*	Key condition 2 - in bolt trapped condition (applies for double key condition only, see item 3)	KT = Keys are trapped while bolt is trapped ⁽¹⁾ KF = Keys are free while bolt is trapped ⁽¹⁾
5	Handing	1 = Left hinged door ⁽¹⁾ 2 = Right hinged door ⁽¹⁾
6	Lock portion symbol: Please advise for each lock portion separately as isolation key/lock symbol and personnel key/lock symbol	FS ⁽¹⁾ up to 3 characters / Q ⁽¹⁾ up to 6 characters