MKey 9 Guard locking plastic safety switches







Solenoid Locking Interlock Safety Switches featuring Guard Holding up to 1800N. (180Kg.)

The MKey 9 Series Guard Locking switches have a slim plastic body design and have been developed with a holding force of 1800N to keep medium guard Doors closed until hazards have been removed.

The high specification plastic body has a high resistance to chemical and washdown solutions, and the Stainless Steel Head provides a durable robust protection of the cam interlock

IP67 enclosure protection is maintained by a double seal lid gasket design and metal fixings.

They have a slim profile and are designed to fit on 50mm (2in.) frame sections or to applications where space is restricted.

The Head will rotate to provide up to 8 actuator entry positions.

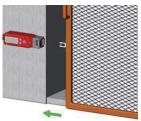
An LED is available to indicate Lock Status.

Accessories include a Sliding Handle Bolt and lock off actuators.









Hinged Guard

Sliding Guard

Functional Specification:

Positive break contacts to IEC947-5-1



High Functional Safety to ISO 13849-1

2NC Safety Circuits - Solenoid/Lock and Actuator/Guard wired in series 1NO Circuit Auxiliary circuit for indication of actuator status (Guard open) 1NO Circuit Auxiliary circuit for Lock Status (selectable with LED2)

> Top or Side Manual release points 8 actuator entry positions rotatable head

Actuator insertion

		9.0	8	3.0	0 m
11/12	Open				
21/22	Open				
33/34				Open	
43/44				Open	
•					

For all ABB Jokab Safety switches the normally closed (NC) circuits are closed when the guard is closed actuator inserted. High specification polyester housings Stainless Steel Head

Connects to most Safety Relays to give up to up to Ple Cat.4.

EN1088 IEC 947-5-1

Standards Safety Classification and Reliability Data: Mechanical Reliability B10d

EN 954-1 ISO 13849-1 EN 62061 Safety Data - Annual Usage PFHd Proof Test Interval (Life) MTTFd Solenoid Voltage (by part number) Solenoid Wattage

LED 2 Supply Voltage Utilization Category Thermal Current (Ith) Rated Insulation / Withstand Voltages Travel for Positive Opening Actuator entry minimum radius Maximum Approach / Withdrawal speed Body Material Head Material Enclosure Protection

> Vibration Conduit Entry Fixina

Operating Temperature

ISO 13849-1 EN62061 EN 954-1 UI 508 2.5 x 106 operations at 100mA load

up to Category 4 with Safety Relay up to PLe depending upon system architecture up to SIL3 depending upon system architecture 8 cycles per hour / 24 hours per day / 365 days 3.44 x 10⁻⁸ 35 years

EN 60204-1

356 years 24V ac/dc or 110V. ac or 230V. ac 12W 24V dc

AC15 A300 3A. 600VAC / 2500 VAC

10mm 175mm Standard 60mm Heavy Duty 600mm/s.

Polyester Stainless Steel 316 -25C. 55C. IEC 68-2-6, 10-55Hz+1Hz,

Excursion: 0.35mm, 1 octave/min Various (See Sales Part Numbers) 4 x M5

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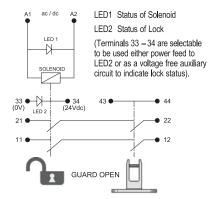
MKey 9

2TLA050007R2524

2TLA050007R0012 Mkey9, Sol M20, 24V No Key 2TLA050007R1012 Mkey9, Sol NPT, 24V No Key 2TLA050007R2012 Mkey9, Sol QC, 24V No Key 2TLA050007R0013 Mkey9, Sol M20, 110V No Key 2TLA050007R1013 Mkey9, Sol NPT, 110V No Key 2TLA050007R2013 Mkey9, Sol QC, 110V No Key Mkey9, Sol M20, 230V No Key 2TLA050007R0014 2TLA050007R1014 Mkey9, Sol NPT, 230V No Key 2TLA050007R2014 Mkey9, Sol QC, 230V No Key Mkey9, Sol M20, 24V Std. Key 2TLA050007R0112 2TLA050007R1112 Mkey9, Sol NPT, 24V Std. Key Mkey9, Sol QC, 24V Std. Key 2TLA050007R2112 2TLA050007R0113 Mkey9, Sol M20, 110V Std. Key 2TLA050007R1113 Mkey9, Sol NPT, 110V Std. Key Mkey9, Sol QC, 110V Std. Key 2TLA050007R2113 2TLA050007R0114 Mkey9, Sol M20, 230V Std. Key Mkey9, Sol NPT, 230V Std. Key 2TLA050007R1114 2TLA050007R2114 Mkey9, Sol QC, 230V Std. Key 2TLA050007R0212 Mkey9, Sol M20, 24V Flat Key Mkey9, Sol NPT, 24V Flat Key 2TLA050007R1212 2TLA050007R2212 Mkey9, Sol QC, 24V Flat Key 2TLA050007R0213 Mkey9, Sol M20, 110V Flat Key 2TLA050007R1213 Mkey9, Sol NPT, 110V Flat Key 2TLA050007R2313 Mkey9, Sol QC, 110V Flat Key 2TLA050007R0314 Mkey9, Sol M20, 230V Flat Key 2TLA050007R1314 Mkey9, Sol NPT, 230V Flat Key 2TLA050007R2214 Mkey9, Sol QC, 230V Flat Key 2TLA050007R0412 Mkey9, Sol M20, 24V Met. Flex Key Mkey9, Sol NPT, 24V Met. Flex Key 2TLA050007R1412 2TLA050007R2422 Mkey9, Sol QC, 24V Met. Flex Key 2TLA050007R0413 Mkey9, Sol M20, 110V Met. Flex Key 2TLA050007R1413 Mkey9, Sol NPT, 110V Met. Flex Key 2TLA050007R2423 Mkey9, Sol QC, 110V Met. Flex Key 2TLA050007R0414 Mkey9, Sol M20, 230V Met. Flex Key 2TLA050007R1414 Mkey9, Sol NPT, 230V Met. Flex Key 2TLA050007R2424 Mkey9, Sol QC, 230V Met. Flex Key 2TLA050007R0512 Mkey9, Sol M20, 24V SS Flex Key 2TLA050007R1512 Mkey9, Sol NPT, 24V SS Flex Key 2TLA050007R2522 Mkey9, Sol QC, 24V SS Flex Key 2TLA050007R0513 Mkey9, Sol M20, 110V SS Flex Key Mkey9, Sol NPT, 110V SS Flex Key 2TLA050007R1513 Mkey9, Sol QC, 110V SS Flex Key 2TLA050007R2523 2TLA050007R0514 Mkey9, Sol M20, 230V SS Flex Key 2TLA050007R1514 Mkey9, Sol NPT, 230V SS Flex Key

Mkey9, Sol QC, 230V SS Flex Key

Schematic circuit:



QC Quick Connect Connector Length 24mm





Quick Connect (QC) M23 12 way Male Plug (Pin view from switch)	Switch Circuit		
1 3	A1 A2		
4 6	11 / 12		
7 8	21 / 22		
2 5	43 / 44		
9 10	33 / 44		

108

Dimensions:

