

SAFETY PRODUCTS

# MKEY 2 Series Safety Switch Data Sheet

MKey 2 is a mechanical safety switch used for monitoring doors and hatches.

The switch is mounted on the frame and the leaf actuator key on the moving part of the guard.



## Easy to install

### Easy mounting

Rotating head allows for up to 4 actuating positions allowing for many mounting possibilities.



## Safety and Protection

### Added Safety

Can be mounted in unobtrusively away from direct vision or contact to prevent tampering due to design.



## Optimum Interface

### Small Design

Small footprint makes it easy to install in restricted space.

### Industry Footprint

Standard industry footprint for smaller mechanical switches and 1/2 NPT conduit entry.

**Ordering Information**

Description	Material Housing	Material Head	Type	Order code
MKEY 2, ½ NPT, Leaf Actuator	Polyester	Stainless Steel	MKEY 2	2TLA050020R1000

NOTE: Anything in **bold** is typically stocked.

**Technical Data**

<b>Manufacturer</b>	
Address	ABB Electrification Sweden AB / JOKAB SAFETY Varlabergsvägen 11 SE-434 39 Kungsbacka Sweden
<b>Electrical characteristics</b>	
Utilization category	AC-15 A300 3A
Thermal current	10A
Rated insulation/withstand voltages	600 VAC/2500 VAC
Overload Protection Fuse (fuse externally)	10A (FF)
Contacts	2NC + 1NO
<b>General</b>	
Actuator rotation for positive opening	7 degrees 0.5Nm
Protection class	IP67
Ambient temperature	-25...+80°C
<b>Size</b>	<b>See manual</b>
Conduit entries	½ NPT
Material	Polyester
Fixing	Actuator: 2 x M4
Vibration	IEC 68-2-6, 10-55 Hz+1 Hz, Excursion: 0.35 mm, 1 octave/min
<b>Safety-related characteristic data and Conformity</b>	
Conformity	ISO 14119, ISO13849-1 EN 60204- 1, UL508 EN 60947-1, EN 60947-5-1
EN ISO 13849-1	Up to PL e, Cat. 4 depending on system architecture
EN 62061	Up to SIL3 depending on system architecture
Safety data	2,500,000 operations at 100 mA load
B10d	356 years (8 cycles per hour / 24 hours per day / 365 days per year)
MTTFd	
Certifications	TÜV, cULus
Information with regard to UL 508	Type 1 Enclosures. Use 16 - 12AWG stranded copper insulated conductors rated 90°C minimum. (75C. ampacity). Terminal tightening torque 7lbs ins (0.8Nm). Intended for same polarity use and one polymeric conduit connection. Not suitable for connection to a rigid metal conduit system. Electrical Rating: Pilot Duty A300 240V.ac 3A. 6,000 cycles. Maximum ambient temperature 40°C.

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ABB Inc.  
305 Gregson Drive  
Cary, North Carolina 27511  
United States  
electrification.us.abb.com/  
products/machine-motor-control

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