

SI-LM40MKH

Non-Locking Metal Safety Interlock Switches



- Mechanically coded actuators minimize intentional tampering or defeat
- Rigid or flexible in-line actuators
- Actuator head rotates to four possible positions in 90° increments
- Rugged metal housing
- Design meets positive opening requirements for safety interlocks (IEC 60947-5-1)

SI-LM40MKH Limit Switch Style (kits), 40 mm

Actuator Type	Interlock	Contact(s)	Kit Model*
SI-QM-SSA Straight Rigid In-Line		SI-LM40KHD 1 NO & 1 NC	SI-LM40MKHD
SI-QM-SMFA Flexible In-Line		SI-LM40KHD 1 NO & 1 NC	SI-LM40MKHD
SI-QM-SSA Straight Rigid In-Line		SI-LM40KHE 2 NC	SI-LM40MKHE
SI-QM-SMFA Flexible In-Line		SI-LM40KHE 2 NC	SI-LM40MKHE



Multi-Directional

NC = Normally Closed Contact, NO = Normally Open Contact

* A kit contains an interlock and actuator. Individual interlocks (without actuator) are for replacement purposes only. Contact factory for integral quick-disconnect (QD) and pigtail QD options.

SI-LM40MKH Limit Switch Style (kits), 40 mm (cont'd)

Actuator Type	Interlock	Contact(s)	Kit Model*	
SI-QM-SSA Straight Rigid In-Line		SI-LM40KHF	2 NC & 1 NO	SI-LM40MKHF

		SI-LM40KHF	2 NC & 1 NO	SI-LM40MKHF
SI-QM-SMFA Flexible In-Line				



Multi-Directional

NC = Normally Closed Contact, NO = Normally Open Contact

* A kit contains an interlock and actuator. Individual interlocks (without actuator) are for replacement purposes only.
Contact factory for integral quick-disconnect (QD) and pigtail QD options.

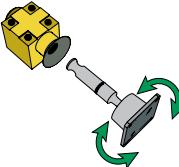
SI-LM40MKV



Non-Locking Metal Safety Interlock Switches

- Mechanically coded actuators minimize intentional tampering or defeat
- In-line Spring-loaded actuator; flexes in all directions
- Actuator head rotates to four possible positions in 90° increments
- Rugged metal housing
- Design meets positive opening requirements for safety interlocks (IEC 60947-5-1)

SI-LM40MKV Limit Switch Style (kits), 40 mm

Actuator Type	Interlock	Contact(s)	Kit Model*
 SI-QM-90A Flexible In-Line	 SI-LM40KVD	1 NO & 1 NC	SI-LM40MKVD
	 SI-LM40KVE	2 NC	SI-LM40MKVE



Multi-Directional

NC = Normally Closed Contact, NO = Normally Open Contact

* A kit contains an interlock and actuator. Individual interlocks (without actuator) are for replacement purposes only.
 Contact factory for integral quick-disconnect (QD) and pigtail QD options.

SI-LM40MKV Models
(with flexible in-line actuator)SI-LM40MKH Models
(shown with rigid in-line actuator)

SI-LM40 Limit Style Switches Specifications

Contact Rating	10A @ 24 V ac, 10A @ 110 V ac, 6A @ 230 V ac, 6A @ 24 V dc 2.5 kV max. transient tolerance NEMA A300 P300																	
European Rating	Utilization categories: AC15 and DC13 $U_e = 500V$ ac, $I_{th} = 10A$																	
	<table border="1"> <caption>40-60 Hz</caption> <thead> <tr> <th>U_e</th><th>$I_e/AC-15$</th><th>$I_e/DC-13$</th></tr> <tr> <th>V</th><th>A</th><th>A</th></tr> </thead> <tbody> <tr> <td>24</td><td>10</td><td>6</td></tr> <tr> <td>110</td><td>10</td><td>1</td></tr> <tr> <td>230</td><td>6</td><td>.4</td></tr> </tbody> </table>			U_e	$I_e/AC-15$	$I_e/DC-13$	V	A	A	24	10	6	110	10	1	230	6	.4
U_e	$I_e/AC-15$	$I_e/DC-13$																
V	A	A																
24	10	6																
110	10	1																
230	6	.4																
Contact Material	Silver-nickel alloy																	
Maximum Switching Speed	SI-LM40MKH models: 50 operations per minute SI-LM40MKV models: 10 operations per minute																	
Maximum Actuator Speed	SI-LM40MKH models: 1.5 m/second SI-LM40MKV models: 0.5 m/second																	
Mechanical Life	SI-LM40MKH models: 1 million operations SI-LM40MKV models: 25,000 operations																	
Minimum Actuator Engagement Radius	Rigid actuator: 400 mm Flexible actuator: 150 mm																	
Actuation Extraction Force	SI-LM40MKH models: 10 N SI-LM40MKV models: 20 N																	
Short Circuit Protection	6 amp Slow Blow, 10 amp Fast Blow. Recommended external fusing or overload protection.																	
Wire Connections	Screw terminals with pressure plates accept the following wire sizes – Stranded and solid: 20 AWG (0.5 mm ²) to 16 AWG (1.5 mm ²) for one wire Stranded: 20 AWG (0.5 mm ²) to 18 AWG (1.0 mm ²) for two wires																	
Cable Entry	M20 x 1.5 threaded entrance Adapter supplied to convert M20 x 1.5 to 1/2" - 14 NPT threaded entrance																	
Construction	Aluminum alloy die cast																	
Environmental Rating	IP65																	
Operating Conditions	Temperature: -30 to +80 °C																	
Weight	SI-LM40MKH models: 0.34 kg SI-LM40MKV models: 0.31 kg																	
Certifications	  																	
Contact Configuration and Switching Diagrams	SI-LM40MKH..D models: SD018 (p. 674) SI-LM40MKH..E models: SD019 (p. 675) SI-LM40MKH..F models: SD020 (p. 675) SI-LM40MKV.. models: SD021 and SD022 (p. 675)																	