

PANEL FABRICATION

ABB SELECTOR SWITCHES, POTENTIOMETERS MXSS SERIES



DESCRIPTION

The **ABB MXSS series general purpose selector switches** are for pilot duty control of electrical equipment such as fans, pumps, compressors or control circuits. The **MT series** is 10K ohm 280 degree turn potentiometer. These devices use the IEC style of buttons, plus offer economical pricing.

FEATURES

- 22.5 mm switch size
- Quick release contact blocks
- Potentiometer model
- 2 & 3 position switches
- Key operated models

NEW!



Key Switch



SPA



Selector Switch



SSG1-67

SPECIFICATIONS	
Relay Rating	AC: 120V, 6A; 240V, 3A; 480V, 1.5A; 600V, 1.2A DC: 120V, 0.55A; 240V, 0.27A; 480V, 0.1A; 600V, 0.1A
Rated Insulation Voltage	600V
Mechanical Life	10 million operations (contact block)
Terminals	#14-20 AWG
Contact Material	Silver
Mounting	0.874" (2.25 cm) hole
Operating Temperature	-13° to 122°F (-25° to 50°C)
Panel Thickness	0.059" to 0.236" (0.15 to 0.6 cm)
Protection Rating	NEMA type 1, 3R, 4, 4X, 12, 13
Approvals	UL File #E76003; CSA File #LR19700
Warranty	1 year

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DIMENSIONS AND CONTACT FUNCTIONS

<p>Selector switch</p> <p>in (cm)</p> <p>1.69 (4.3) height, 1.18 (3.0) width, 1.04 (2.65) depth, 0.91 (2.31) mounting hole offset, 0.06-0.24 (0.15-0.6) contact offset, 1.14 (2.9) terminal offset, 1.91 (4.85) terminal spacing, 1.18 (3.0) terminal width.</p>	<p>Key-operated selector switch</p> <p>in (cm)</p> <p>1.69 (4.3) height, 1.18 (3.0) width, 1.04 (2.65) depth, 0.91 (2.31) mounting hole offset, 0.06-0.24 (0.15-0.6) contact offset, 1.14 (2.9) terminal offset, 1.91 (4.85) terminal spacing, 1.67 (4.25) terminal width.</p>																								
<p>Potentiometer</p> <p>in (cm)</p> <p>1.14 (2.9) diameter, 0.06-0.24 (0.15-0.6) contact offset, 0.55 (1.4) terminal offset, 1.02 (2.6) terminal offset, 0.28 (0.7) terminal width.</p>	<p>Selector switch contact functions</p> <p>O = not actuated (normal state) X = actuated (state changed)</p> <table border="1"> <thead> <tr> <th>Handle position</th> <th>Left block</th> <th>Right block</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>O</td> <td>O</td> </tr> <tr> <td>B</td> <td>O</td> <td>O</td> </tr> <tr> <td>C</td> <td>X</td> <td>X</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Handle position</th> <th>Left block</th> <th>Right block</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>X</td> <td>O</td> </tr> <tr> <td>B</td> <td>O</td> <td>O</td> </tr> <tr> <td>C</td> <td>O</td> <td>X</td> </tr> </tbody> </table>	Handle position	Left block	Right block	A	O	O	B	O	O	C	X	X	Handle position	Left block	Right block	A	X	O	B	O	O	C	O	X
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ORDERING INFORMATION

KEY SWITCHES

M2SSK1	Two-position, key-operated selector switch, key removed each position
M3SSK1	Three-position, key-operated selector switch, key removed each position
30	Chrome bezel
1	Standard key code
	# Normally open contacts (max 2 for 3 pos, 1 for 2 pos)
	# Normally closed contacts (max 2 for 3 pos, 1 for 2 pos)

SELECTOR SWITCHES (Center off only)

M2SS2	Two-position selector switch, maintained each position
M3SS1	Three-position selector switch, maintained each position
30	Chrome bezel
B	Black operator
	# Normally open contacts (max 2)
	# Normally closed contacts (max 2)

POTENTIOMETER

MT-310B	0-10 kΩ cermet potentiometer, 280-degree rotation, metal housing, black knob w/ white marking
SPA	MT-310B, SS plate, custom plate
SK615562-87	Sweep symbol legend plate
SK615562-88	Legend plate with 0 to 10 scale

RELATED PRODUCTS

E-1PBG	One-hole NEMA 12/13 push-button enclosure
E-2PBG	Two-hole NEMA 12/13 push-button enclosure
*Holes are 22.5 mm in a vertical arrangement.	
E-3PBG	Three-hole NEMA 12/13 push-button enclosure
* Holes are 22.5 mm in a vertical arrangement.	
E-4PBG	Four-hole NEMA 12/13 push-button enclosure
* Holes are 22.5 mm in a vertical arrangement.	
SSG1-67	Wall plate box mount 7/8" hole
MCB-01	Normally closed contact block
MCB-10	Normally open contact block
SK615540-1	29.6 x 39 mm blank legend plate
** Custom plates from factory only	
SK615541-1	29.6 x 44.5 mm blank legend plate
SK616021-71	Spare key for key switch