ZB5AD•
Standard Lever

ZB5AJX•
Extended Lever

ZB5AG•

Table 19.125: Non-Illuminated Selector Switches

Color	Number and Type of Positions		Standard Lever ▲ Catalog Number	Extended Lever Catalog Number	$ Price
Black	2-maintained		ZB5AD2	ZB5AJ2	**24.00**
Black	2-momentary from right to left		ZB5AD4	ZB5AJ4	**29.40**
Black	3-maintained		ZB5AD3	ZB5AJ3	**24.00**
Black	3-momentary to center		ZB5AD5	ZB5AJ5	**29.40**
Black	3-momentary from left to center		ZB5AD7	ZB5AJ7	**29.40**
Black	3-momentary from right to center		ZB5AD8	ZB5AJ8	**29.40**

▲ For colored lever, add the following code to the end of catalog number: 01—white, 03—green, 04—red, 05—yellow, 06—blue (Example: ZB5AD204).

Table 19.126: Non-Illuminated Key Switches

Type of Operator	Number and Type of Positions		Catalog Number ■	$ Price
Key (No. 455) 	2-maintained		ZB5AG2	**90.00**
			ZB5AG4	
			ZB5AG02	
	2-momentary from right to left		ZB5AG6	
	3-maintained		ZB5AG0	
			ZB5AG3	
			ZB5AG5	
			ZB5AG9	
			ZB5AG09	
	3-momentary from left to center		ZB5AG1	**116.00**
	3-momentary to center		ZB5AG7	
	3-momentary from right to center		ZB5AG8	
			ZB5AG08	
			ZB5AG05	

Note: The symbol ⚷ indicates key withdrawal position(s).

■ Other key numbers:
—key no. 421E: add the suffix 12 to the catalog number.
—key no. 458A: add the suffix 10 to the catalog number.
—key no. 520E: add the suffix 14 to the catalog number.
—key no. 3131A: add the suffix 20 to the catalog number.
—key no. 8D1: add the suffix D to the catalog number.
Example: The catalog number for a head with key no. 421E for a 2 position maintained, lockable selector switch, with key withdrawal from the left-hand position, becomes: ZB5AG212

Table 19.127: Sequence of Contacts on Selector Switch Bodies

Unit Type		Selector Switches														
		2-position						3-position								
		315°			45°			315°			0°			45°		
Operator Plunger Position	Up															
	Down															
Contact Block Location		L	C	R	L	C	R	L	C	R	L	C	R	L	C	R
Contacts	N/O	O	O	O	X	X	X	X	X	O	O	O	O	O	X	X
	N/C	X	X	X	O	O	O	O	O	X	X	X	X	X	O	O

Note: L=Left, C=Center, R=Right, O=Open, X=Closed

Table 19.128: 3 Position Selector Switch

			Contact block guide				Contact block guide
X	**O**	**O**	1 N.O. (left)	**X**	**X**	**O**	1 N.C. (right)
O	**X**	**O**	2 N.C. wired in **series** (left and right)	**O**	**X**	**X**	1 N.C. (left)
O	**O**	**X**	1 N.O. (right)	**X**	**O**	**X**	2 N.O. wired in **parallel** (left and right)

Family	XB4	XB5	9001K	9001SK	9001KX
					

Type of Product	22 mm Push Button (metal)	22 mm Push Button (plastic)	30 mm Push Button (metal)	30 mm Push Button (plastic)	30 mm Push Button (metal, square)
Mounting Hole Diameter	22.5 mm	22.5 mm	31 mm (1.22 in)	31 mm (1.22 in)	31 mm (1.22 in)
Approvals	UL Listed File E164353, CCN NKCR UL Recognized File E164353. CCN NKCR2 CSA File LR44087. Class 3211-03	UL Listed File E164353, CCN NKCR UL Recognized File E164353., CCN NKCR2 CSA File LR44087. Class 3211-03	UL File E78403. CCN NKCR CSA File LR25490. Class 3211-03	UL File E78403. CCN NKCR CSA File LR25490. Class 3211-03	UL File E78403. CCN NKCR CSA File LR25490. Class 3211-03
Conforming to Standards	CE Marked EN/IEC 60947-1, EN/IEC 60947-5-1, EN/IEC 60947-5-4, EN/IEC 60947-5-5 EN/IEC 60204-1 and EN/ISO 13850: 2006 (trigger action and mechanical latching emergency stop push buttons) EN/IEC 60364-5-53 (emergency switching of mechanical latching push buttons) — JIS C 4520 UL 508 CSA C22.2 No.14	CE Marked EN/IEC 60947-1, EN/IEC 60947-5-1, EN/IEC 60947-5-4, EN/IEC 60947-5-5 EN/IEC 60204-1 and EN/ISO 13850: 2006 (trigger action and mechanical latching emergency stop push button). EN/IEC 60364-5-53 (emergency switching of mechanical latching push buttons) EN81-1 (emergency stop trigger action and mechanical latching push buttons with mechanical state indicator) JIS C 4520 UL 508 CSA C22.-2 No.14	CE Marked EN/IEC 60947-1 EN/IEC60947-5-1 EN/IEC60947-5-4 JIS C 4520 and 852 UL 508 CSA C22.2 No.14	CE Marked EN/IEC 60947-1 EN/IEC60947-5-1 EN/IEC60947-5-4 JIS C 4520 and 852 UL 508 CSA C22.2 No.14	CE Marked IP66 NEMA 1, 2, 3, 3R, 4, 4X, 12, 13 Class II 24 Vac/Vdc: 18 mA 120 Vac: 14 mA 240 Vac: 14 mA AC-15; A600 Continuous 10 A DC-13; Q600 Ue = 600 Vdc and Ie = 0.1 A Ue = 250 Vdc and Ie = 0.27 A Ue = 125 Vdc and Ie = 0.55 A Screw Terminal 1 x 24 AWG (0.2 2mm²) min. 2 x 16 AWG (1.5 mm²) max 19-90
Degree of Protection	IP65 IP66 for booted NEMA 1, 2, 3, 4, 12, 13	IP65 IP66 for Booted NEMA 1, 2, 3, 4, 4X, 12, 13	IP66 NEMA 1, 2, 3, 3R, 4, 12, 13	IP66 NEMA 1, 2, 3, 3R, 4, 4X, 12, 13	
Electric Shock Protection	Class I	Class I	Class II	Class II	
Electrical Consumption					
LED	24 Vac/Vdc: 18 mA 120 Vac: 14 mA 240 Vac: 14 mA	24 Vac/Vdc: 18 mA 120 Vac: 14 mA 240 Vac: 14 mA			
Rated Operational Characteristics	AC-15; B600 Ue = 600 Vac and Ie = 1.2 A Ue = 240 Vac and Ie = 3A Ue = 120 Vac and Ie = 6A Continuous 10 A DC-13; Q600 Ue = 600 Vdc and Ie = 0.1 A Ue = 250 Vdc and Ie = 0.27 A Ue = 125 Vdc and Ie = 0.55 A	AC-15; B600 Ue = 600 Vac and Ie = 1.2 A Ue = 240 Vac and Ie = 3 A Ue = 120 Vac and Ie = 6 A Continuous 10 A DC-13; Q600 Ue = 600 Vdc and Ie = 0.1 A Ue = 250Vdc and Ie = 0.27 A Ue = 125 Vdc and Ie = 0.55 A	AC-15; A600 Continuous 10 A DC-13; Q600 Ue = 600 Vdc and Ie = 0.1 A Ue = 250 Vdc and Ie = 0.27 A Ue = 125 Vdc and Ie = 0.55 A	AC-15; A600 Continuous 10 A DC-13; Q600 Ue = 600 Vdc and Ie = 0.1 A Ue = 250 Vdc and Ie = 0.27 A Ue = 125 Vdc and Ie = 0.55 A	AC-15; A600 Continuous 10 A DC-13; Q600 Ue = 600 Vdc and Ie = 0.1 A Ue = 250 Vdc and Ie = 0.27 A Ue = 125 Vdc and Ie = 0.55 A
Connection Type	Screw or Spring Terminal Screw Terminal:	Spring Terminal:	Screw Terminal		
Cable Size	1 x 24 AWG (0.22 mm²) min. 2 x 14 AWG (2.5 mm²) max. 2 x 16 AWG (1.5 mm²) max.	1 x 24 AWG (0.22 mm²) min. 2 x 14 AWG (2.5 mm²) max. 2 x 16 AWG (1.5 mm²) max.	1 x 24 AWG (0.22 mm²) min. 2 x 16 AWG (1.5 mm²) max	1 x 24 AWG (0.22 mm²) min. 2 x 16 AWG (1.5 mm²) max	1 x 24 AWG (0.2 2mm²) min. 2 x 16 AWG (1.5 mm²) max
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