

- Compact & light weight
- IP20 finger safe screw terminal (IEC60529)
- Matted surface on buttons, lenses, and bezels to reduce reflection of ambient light
- Detachable contact block for easy installation & removal
- Wide light distribution to increase the visibility range
- Designed in accordance to UL, C-UL, CCC & CE standards
- Comply with EN standard

General Specifications

Contact Resistance		Max. 50mΩ (initial value)
Insulation Resistance		100MΩ minimum at 500V DC megger
Dielectric Strength		Contact block: 2,500VAC for 1 Min.
		Illuminated unit: 2,000VAC for 1 Min.
Vibration Resistance	E-stop switches	Operation Extremes: 10-500Mhz, Amplitude: 0.35mm 50m/s ²
		Damage Extremes: 10-500Mhz, Amplitude: 0.35mm 50m/s ²
	Indicator, Pushbutton, Selector switches	Operation Extremes: 5-55Mhz, Amplitude: 0.5mm
		Damage Extremes: 50Mhz, Amplitude: 1.5mm
Shock Resistance	E-stop switches	Operation Extremes: 150m/s ²
		Damage Extremes: 1,000m/s ²
	Indicator, Pushbutton, Selector switches	Operation Extremes: 100m/s ²
		Damage Extremes: 1,000m/s ²
Mechanical Durability	E-Stop switches	250,000
	Pushbuttons	Momentary: 5,000,000 (1 contact), 1,000,000 (2 contact)
		Maintained: 250,000 (1 contact), 100,000 (2 contacts)
	Selector switches	250,000 (1 contact), 100,000 (2 contacts)
Electrical Life	E-stop switches	100,000
	Pushbuttons	250,000 (1 contact), 100,000 (2 contacts)
	Selector switches	250,000 (1 contact), 100,000 (2 contacts)
Ambient Temperature		Operation: -25°C~ +55°C, Storage: -45°C~+85°C
Ambient Humidity		45~85%RH
Degree of Protection		IP65
Terminal Soldering Temperature		20W 5sec / 260°C 3sec

		Contact Material	Silver			
		Rated Insulation Voltage	250VAC			
		Thermal Current	10A			
		Maximum Voltage	600V			
Contacts	Operation Voltage (AC/DC)		24V	120V	240V	380V
	AC 50/60Hz	Resistive Load	10A	10A	6A	2A
		Inductive Load	10A	6A	3A	1.9A
	DC	Resistive Load	8A	2.2A	1.1A	
		Inductive Load	4A	1.1A	0.55A	
	Minimum Applicable Load		3V AC/DC x 3mA			

LED Rating	Type No	Rate Current	Current Draw	Color code	LED life
	LAED-6	6V AC/DC	10mA (R, Y) 7mA (G, W, S)	G: Green W: White R: Red S: Blue Y: Yellow	50,000 Hrs
	LAED-1	12V AC/DC	14mA (R, Y) 13mA (G, W, S)		50,000 Hrs
	LAED-2	24V AC/DC	14mA (R, Y) 13mA (G, W, S)		50,000 Hrs
	LAED-J	110V AC/DC	5.5mA		50,000 Hrs
	LAED-M3	230/240V AC/DC	2.7mA		50,000 Hrs

	Style	Operation	Contacts	Part Numbers	
				Non-Illuminated	Illuminated
Push Button		Momentary	1NO	A20B-M1E10 ①	A20L-MF2E10Q ② ③
			1NC	A20B-M1E01 ①	A20L-MF2E01Q ② ③
			2NO	A20B-M1E20 ①	A20L-MF2E20Q ② ③
			2NC	A20B-M1E02 ①	A20L-MF2E02Q ② ③
			1NO-1NC	A20B-M1E11 ①	A20L-MF2E11Q ② ③
			3NO	A20B-M1E30 ①	-
			3NC	A20B-M1E03 ①	-
			2NO-1NC	A20B-M1E21 ①	-
			1NO-2NC	A20B-M1E12 ①	-
		Maintained	1NO	A20B-A1E10 ①	A20L-AF2E10Q ② ③
			1NC	A20B-A1E01 ①	A20L-AF2E01Q ② ③
			2NO	A20B-A1E20 ①	A20L-AF2E20Q ② ③
			2NC	A20B-A1E02 ①	A20L-AF2E02Q ② ③
		Momentary	1NO-1NC	A20B-A1E11 ①	A20L-AF2E11Q ② ③
			1NO	A20B-M2E10 ①	A20L-M2E10Q ② ③
			1NC	A20B-M2E01 ①	A20L-M2E01Q ② ③
			2NO	A20B-M2E20 ①	A20L-M2E20Q ② ③
			2NC	A20B-M2E02 ①	A20L-M2E02Q ② ③
			1NO-1NC	A20B-M2E11 ①	A20L-M2E11Q ② ③
		Maintained	1NO	A20B-A2E10 ①	A20L-A2E10Q ② ③
			1NC	A20B-A2E01 ①	A20L-A2E01Q ② ③
			2NO	A20B-A2E20 ①	A20L-A2E20Q ② ③
			2NC	A20B-A2E02 ①	A20L-A2E02Q ② ③
			1NO-1NC	A20B-A2E11 ①	A20L-A2E11Q ② ③

	Style	Operation	Contacts	Part Numbers	
				Non-Illuminated	Illuminated
Ø40mm Mushroom		Momentary	1NO	A20B-M4E10 ①	A20L-M4E10Q ② ③
			1NC	A20B-M4E01 ①	A20L-M4E01Q ② ③
			2NO	A20B-M4E20 ①	A20L-M4E20Q ② ③
			2NC	A20B-M4E02 ①	A20L-M4E02Q ② ③
			1NO-1NC	A20B-M4E11 ①	A20L-M4E11Q ② ③
		Maintained	1NO	A20B-A4E10 ①	A20L-A4E10Q ② ③
			1NC	A20B-A4E01 ①	A20L-A4E01Q ② ③
			2NO	A20B-A4E20 ①	A20L-A4E20Q ② ③
			2NC	A20B-A4E02 ①	A20L-A4E02Q ② ③
			1NO-1NC	A20B-A4E11 ①	A20L-A4E11Q ② ③
Push Buttons with metal bezels		Momentary	1NO	A204B-M1E10 ①	A204L-M1E10Q ② ③
			1NC	A204B-M1E01 ①	A204L-M1E01Q ② ③
			2NO	A204B-M1E20 ①	A204L-M1E20Q ② ③
			2NC	A204B-M1E02 ①	A204L-M1E02Q ② ③
			1NO-1NC	A204B-M1E11 ①	A204L-M1E11Q ② ③ -
			3NO	A204B-M1E30 ①	-
			3NC	A204B-M1E03 ①	-
			2NO-1NC	A204B-M1E21 ①	-
			1NO-1NC	A204B-M1E12 ①	-
		Maintained	1NO	A204B-A1E10 ①	A204L-A1E10Q ② ③
			1NC	A204B-A1E 01①	A204L-A1E01Q ② ③
			2NO	A204B-A1E20 ①	A204L-A1E20Q ② ③
			2NC	A204B-A1E02 ①	A204L-A1E02Q ② ③
			1NO-1NC	A204B-A1E11 ①	A204L-A1E11Q ② ③
		Momentary	1NO	A204B-M2E10 ①	A204L-M2E10Q ② ③
			1NC	A204B-M2E01 ①	A204L-M2E01Q ② ③
			2NO	A204B-M2E20 ①	A204L-M2E20Q ② ③
			2NC	A204B-M2E02 ①	A204L-M2E02Q ② ③
			1NO-1NC	A204B-M2E11 ①	A204L-M2E11Q ② ③
		Maintained	1NO	A204B-A2E10 ①	A204L-A2E10Q ② ③
			1NC	A204B-A2E01 ①	A204L-A2E01Q ② ③
			2NO	A204B-A2E20 ①	A204L-A2E20Q ② ③
			2NC	A204B-A2E02 ①	A204L-A2E02Q ② ③
			1NO-1NC	A204B-A2E11 ①	A204L-A2E11Q ② ③
Ø40mm Mushroom with metal bezels		Momentary	1NO	A204B-M4E10 ①	A204L-M4E10Q ② ③
			1NC	A204B-M4E01 ①	A204L-M4E01Q ② ③
			2NO	A204B-M4E20 ①	A204L-M4E20Q ② ③
			2NC	A204B-M4E02 ①	A204L-M4E02Q ② ③
			1NO-1NC	A204B-M4E11 ①	A204L-M4E11Q ② ③
		Maintained	1NO	A204B-A4E10 ①	A204L-A4E10Q ② ③
			1NC	A204B-A4E01 ①	A204L-A4E01Q ② ③
			2NO	A204B-A4E20 ①	A204L-A4E20Q ② ③
			2NC	A204B-A4E02 ①	A204L-A4E02Q ② ③
			1NO-1NC	A204B-A4E11 ①	A204L-A4E11Q ② ③

* ① (Head color) = **B**: Black, **G**: Green, **R**: Red, **S**: Blue, **W**: White, **Y**: Yellow

* ② (Operation Voltage) = **2**: 6VAC/DC, **3**: 12VAC/DC, **4**: 24VAC/DC, **H**: 110VAC/DC, **M3**: 230/240VAC/DC)

* ③ (Lens color) = **G**: Green, **R**: Red, **S**: Blue, **W**: White, **Y**: Yellow

	Style	Operation	Contacts	Part Numbers	
				Non-Illuminated	Illuminated
Push Buttons with flush mountable metal bezels	 Flush type	Momentary	1NO	A204B-M1E10 ①-U	A204L-M1E10Q ②③-BU
			1NC	A204B-M1E01 ①-U	A204L-M1E01Q ②③-BU
			2NO	A204B-M1E20 ①-U	A204L-M1E20Q ②③-BU
			2NC	A204B-M1E02 ①-U	A204L-M1E02Q ②③-BU
			1NO-1NC	A204B-M1E11 ①-U	A204L-M1E11Q ②③-BU
			3NO	A204B-M1E30 ①-U	-
			3NC	A204B-M1E03 ①-U	-
			2NO-1NC	A204B-M1E21 ①-U	-
			1NO-1NC	A204B-M1E12 ①-U	-
		Maintained	1NO	A204B-A1E10 ①-U	A204L-A1E10Q ②③-BU
			1NC	A204B-A1E01 ①-U	A204L-A1E01Q ②③-BU
			2NO	A204B-A1E20 ①-U	A204L-A1E20Q ②③-BU
			2NC	A204B-A1E02 ①-U	A204L-A1E02Q ②③-BU
			1NO-1NC	A204B-A1E11 ①-U	A204L-A1E11Q ②③-BU
Push Buttons with flush mountable metal bezels	 Extended Type	Momentary	1NO	A204B-M2E10 ①-U	A204L-M2E10Q ②③-U
			1NC	A204B-M2E01 ①-U	A204L-M2E01Q ②③-U
			2NO	A204B-M2E20 ①-U	A204L-M2E20Q ②③-U
			2NC	A204B-M2E02 ①-U	A204L-M2E02Q ②③-U
			1NO-1NC	A204B-M2E11 ①-U	A204L-M2E11Q ②③-U
		Maintained	1NO	A204B-A2E10 ①-U	A204L-A2E10Q ②③-U
			1NC	A204B-A2E01 ①-U	A204L-A2E01Q ②③-U
			2NO	A204B-A2E20 ①-U	A204L-A2E20Q ②③-U
			2NC	A204B-A2E02 ①-U	A204L-A2E02Q ②③-U
			1NO-1NC	A204B-A2E11 ①-U	A204L-A2E11Q ②③-U
Ø40mm Mushroom with flush mountable metal bezels		Momentary	1NO	A204B-M4E10 ①-U	A204L-M4E10Q ②③-U
			1NC	A204B-M4E01 ①-U	A204L-M4E01Q ②③-U
			2NO	A204B-M4E20 ①-U	A204L-M4E20Q ②③-U
			2NC	A204B-M4E02 ①-U	A204L-M4E02Q ②③-U
			1NO-1NC	A204B-M4E11 ①-U	A204L-M4E11Q ②③-U
		Maintained	1NO	A204B-A4E10 ①-U	A204L-A4E10Q ②③-U
			1NC	A204B-A4E01 ①-U	A204L-A4E01Q ②③-U
			2NO	A204B-A4E20 ①-U	A204L-A4E20Q ②③-U
			2NC	A204B-A4E02 ①-U	A204L-A4E02Q ②③-U
			1NO-1NC	A204B-A4E11 ①-U	A204L-A4E11Q ②③-U
E-Stop switch		Push Lock Twist Reset	1NO	A20B-V4E10R	A20L-V4E10Q②R
			1NC	A20B-V4E01R	A20L-V4E01Q②R
			2NO	A20B-V4E20R	A20L-V4E20Q②R
			2NC	A20B-V4E02R	A20L-V4E02Q②R
			1NO-1NC	A20B-V4E11R	A20L-V4E11Q②R
			3NO	A20B-V4E30R	-
			3NC	A20B-V4E03	-
			2NO-1NC	A20B-V4E21R	-
			1NO-2NC	A20B-V4E12R	-
E-Stop switch with key reset		Push Lock Key Reset	1NO	A20E-K4E10R	-
			1NC	A20E-K4E01R	-
			2NO	A20E-K4E20R	-
			2NC	A20E-K4E02R	-
			1NO-1NC	A20E-K4E11R	-
			3NO	A20E-K4E30R	-
			3NC	A20E-K4E03	-
			2NO-1NC	A20E-K4E21R	-
			1NO-2NC	A20E-K4E12R	-

	Style	Contacts	Part Numbers	
			Non-Illuminated	Illuminated
Selector switches	 90° - 2 Position / Knob type with maintained L R	1NO	A20S-2E10 ①	A20F-2E10Q ② ③
		1NC	A20S-2E01 ①	A20F-2E01Q ② ③
		2NO	A20S-2E20 ①	A20F-2E20Q ② ③
		2NC	A20S-2E02 ①	A20F-2E02Q ② ③
		1NO-1NC	A20S-2E11 ①	A20F-2E11Q ② ③
		3NO	A20S-2E30 ①	-
		3NC	A20S-2E03 ①	-
		2NO-1NC	A20S-2E21 ①	-
		1NO-2NC	A20S-2E12 ①	-
	 90° - 2 Position / Knob type with spring return from right L R	1NO	A20S-21E10 ①	A20F-21E10Q ② ③
		1NC	A20S-21E01 ①	A20F-21E01Q ② ③
		2NO	A20S-21E20 ①	A20F-21E20Q ② ③
		2NC	A20S-21E02 ①	A20F-21E02Q ② ③
		1NO-1NC	A20S-21E11 ①	A20F-21E11Q ② ③
		3NO	A20S-21E30 ①	-
		3NC	A20S-21E03 ①	-
		2NO-1NC	A20S-21E21 ①	-
		1NO-2NC	A20S-21E12 ①	-
	 45° - 3 Position / Knob type with maintained L C R	2NO	A20S-3E20 ①	A20F-3E20Q ② ③
		2NO	A20S-3E20N1 ①	-
		2NC	A20S-3E02 ①	A20F-3E02Q ② ③
		2NC	A20S-3E02N1 ①	-
		1NO-1NC	A20S-3E11 ①	A20F-3E11Q ② ③
		3NO	A20S-3E30 ①	-
		3NC	A20S-3E03 ①	-
		2NO-1NC	A20S-3E21 ①	-
		1NO-2NC	A20S-3E12 ①	-
	 45° - 3 Position / Knob type with spring return from right L C R	2NO	A20S-31E20 ①	A20F-31E20Q ② ③
		2NO	A20S-31E20N1 ①	-
		2NC	A20S-31E02 ①	A20F-31E02Q ② ③
		2NC	A20S-31E02N1 ①	-
		1NO-1NC	A20S-31E11 ①	A20F-31E11Q ② ③
		3NO	A20S-31E30 ①	-
		3NC	A20S-31E03 ①	-
		2NO-1NC	A20S-31E21 ①	-
		1NO-2NC	A20S-31E12 ①	-
	 45° - 3 Position / Knob type with spring return from two-way L C R	2NO	A20S-33E20 ①	A20F-33E20Q ② ③
		2NO	A20S-33E20N1 ①	-
		2NC	A20S-33E02 ①	A20F-33E02Q ② ③
		2NC	A20S-33E02N1 ①	-
		1NO-1NC	A20S-33E11 ①	A20F-33E11Q ② ③
		3NO	A20S-33E30 ①	-
		3NC	A20S-33E03 ①	-
		2NO-1NC	A20S-33E21 ①	-
		1NO-2NC	A20S-33E12 ①	-

* ① (Head color) = **B**: Black, **G**: Green, **R**: Red, **S**: Blue, **W**: White, **Y**: Yellow

* ② (Operation Voltage) = **2**: 6VAC/DC, **3**: 12VAC/DC, **4**: 24VAC/DC, **H**: 110VAC/DC, **M3**: 230/240VAC/DC

* ③ (Lens color) = **G**: Green, **R**: Red, **S**: Blue, **W**: White, **Y**: Yellow

Style	Contacts	Part Numbers	
		Non-Illuminated	Illuminated
 90° - 2 Position / Knob type with maintained	1NO	A204S-2E10 ①	A204F-2E10Q ② ③
	1NC	A204S-2E01 ①	A204F-2E01Q ② ③
	2NO	A204S-2E20 ①	A204F-2E20Q ② ③
	2NC	A204S-2E02 ①	A204F-2E02Q ② ③
	1NO-1NC	A204S-2E11 ①	A204F-2E11Q ② ③
	3NO	A204S-2E30 ①	-
	3NC	A204S-2E03 ①	-
	2NO-1NC	A204S-2E21 ①	-
	1NO-2NC	A204S-2E12 ①	-
 90° - 2 Position / Knob type with spring return from right	1NO	A204S-21E10 ①	A204F-21E10Q ② ③
	1NC	A204S-21E01 ①	A204F-21E01Q ② ③
	2NO	A204S-21E20 ①	A204F-21E20Q ② ③
	2NC	A204S-21E02 ①	A204F-21E02Q ② ③
	1NO-1NC	A204S-21E11 ①	A204F-21E11Q ② ③
	3NO	A204S-21E30 ①	-
	3NC	A204S-21E03 ①	-
	2NO-1NC	A204S-21E21 ①	-
	1NO-2NC	A204S-21E12 ①	-
 45° - 3 Position / Knob type with maintained	2NO	A204S-3E20 ①	A204F-3E20Q ② ③
	2NO	A204S-3E20N1 ①	-
	2NC	A204S-3E02 ①	A204F-3E02Q ② ③
	2NC	A204S-3E02N1 ①	-
	1NO-1NC	A204S-3E11 ①	A204F-3E11Q ② ③
	3NO	A204S-3E30 ①	-
	3NC	A204S-3E03 ①	-
	2NO-1NC	A204S-3E21 ①	-
	1NO-2NC	A204S-3E12 ①	-
 45° - 3 Position / Knob type with spring return from right	2NO	A204S-31E20 ①	A204F-31E20Q ② ③
	2NO	A204S-31E20N1 ①	-
	2NC	A204S-31E02 ①	A204F-31E02Q ② ③
	2NC	A204S-31E02N1 ①	-
	1NO-1NC	A204S-31E11 ①	A204F-31E11Q ② ③
	3NO	A204S-31E30 ①	-
	3NC	A204S-31E03 ①	-
	2NO-1NC	A204S-31E21 ①	-
	1NO-2NC	A204S-31E12 ①	-
 45° - 3 Position / Knob type with spring return from two-way	2NO	A204S-33E20 ①	A204F-33E20Q ② ③
	2NO	A204S-33E20N1 ①	-
	2NC	A204S-33E02 ①	A204F-33E02Q ② ③
	2NC	A204S-33E02N1 ①	-
	1NO-1NC	A204S-33E11 ①	A204F-33E11Q ② ③
	3NO	A204S-33E30 ①	-
	3NC	A204S-33E03 ①	-
	2NO-1NC	A204S-33E21 ①	-
	1NO-2NC	A204S-33E12 ①	-

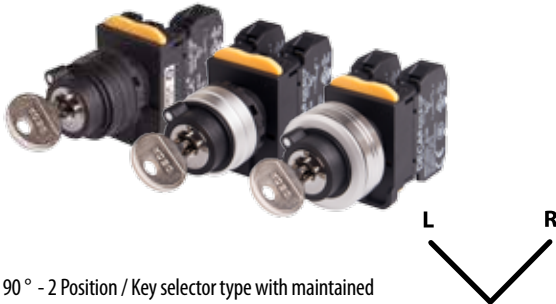
* ① (Head color) = **B**: Black, **G**: Green, **R**: Red, **S**: Blue, **W**: White, **Y**: Yellow

* ② (Operation Voltage) = **2**: 6VAC/DC, **3**: 12VAC/DC, **4**: 24VAC/DC, **H**: 110VAC/DC, **M3**: 230/240VAC/DC

* ③ (Lens color) = **G**: Green, **R**: Red, **S**: Blue, **W**: White, **Y**: Yellow

	Style	Contacts	Part Numbers	
			Non-Illuminated	Illuminated
Selector switches with flush mountable metal bezels	 90° - 2 Position / Knob type with maintained L R	1NO	A204S-2E10 ①-U	A204F-2E10Q ②③-U
		1NC	A204S-2E01 ①-U	A204F-2E01Q ②③-U
		2NO	A204S-2E20 ①-U	A204F-2E20Q ②③-U
		2NC	A204S-2E02 ①-U	A204F-2E02Q ②③-U
		1NO-1NC	A204S-2E11 ①-U	A204F-2E11Q ②③-U
		3NO	A204S-2E30 ①-U	-
		3NC	A204S-2E03 ①-U	-
		2NO-1NC	A204S-2E21 ①-U	-
		1NO-2NC	A204S-2E12 ①-U	-
	 90° - 2 Position / Knob type with spring return from right L R	1NO	A204S-21E10 ①-U	A204F-21E10Q ②③-U
		1NC	A204S-21E01 ①-U	A204F-21E01Q ②③-U
		2NO	A204S-21E20 ①-U	A204F-21E20Q ②③-U
		2NC	A204S-21E02 ①-U	A204F-21E02Q ②③-U
		1NO-1NC	A204S-21E11 ①-U	A204F-21E11Q ②③-U
		3NO	A204S-21E30 ①-U	-
		3NC	A204S-21E03 ①-U	-
		2NO-1NC	A204S-21E21 ①-U	-
		1NO-2NC	A204S-21E12 ①-U	-
	 45° - 3 Position / Knob type with maintained L C R	2NO	A204S-3E20 ①-U	A204F-3E20Q ②③-U
		2NO	A204S-3E20N1 ①-U	-
		2NC	A204S-3E02 ①-U	A204F-3E02Q ②③-U
		2NC	A204S-3E02N1 ①-U	-
		1NO-1NC	A204S-3E11 ①-U	A204F-3E11Q ②③-U
		3NO	A204S-3E30 ①-U	-
		3NC	A204S-3E03 ①-U	-
		2NO-1NC	A204S-3E21 ①-U	-
		1NO-2NC	A204S-3E12 ①-U	-
	 45° - 3 Position / Knob type with spring return from right L C R	2NO	A204S-31E20 ①-U	A204F-31E20Q ②③-U
		2NO	A204S-31E20N1 ①-U	-
		2NC	A204S-31E02 ①-U	A204F-31E02Q ②③-U
		2NC	A204S-31E02N1 ①-U	-
		1NO-1NC	A204S-31E11 ①-U	A204F-31E11Q ②③-U
		3NO	A204S-31E30 ①-U	-
		3NC	A204S-31E03 ①-U	-
		2NO-1NC	A204S-31E21 ①-U	-
		1NO-2NC	A204S-31E12 ①-U	-
	 45° - 3 Position / Knob type with spring return from two-way L C R	2NO	A204S-33E20 ①-U	A204F-33E20Q ②③-U
		2NO	A204S-33E20N1 ①-U	-
		2NC	A204S-33E02 ①-U	A204F-33E02Q ②③-U
		2NC	A204S-33E02N1 ①-U	-
		1NO-1NC	A204S-33E11 ①-U	A204F-33E11Q ②③-U
		3NO	A204S-33E30 ①-U	-
		3NC	A204S-33E03 ①-U	-
		2NO-1NC	A204S-33E21 ①-U	-
		1NO-2NC	A204S-33E12 ①-U	-

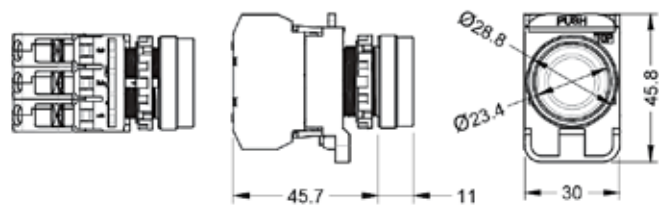
- * ① (Head color) = **B**: Black, **G**: Green, **R**: Red, **S**: Blue, **W**: White, **Y**: Yellow
- * ② (Operation Voltage) = **2**: 6VAC/DC, **3**: 12VAC/DC, **4**: 24VAC/DC, **H**: 110VAC/DC, **M3**: 230/240VAC/DC
- * ③ (Lens color) = **G**: Green, **R**: Red, **S**: Blue, **W**: White, **Y**: Yellow

	Style	Contacts	Part Numbers		
			Standard	Metal Bezel	Flush Mountable
Key Selector switches	 90° - 2 Position / Key selector type with maintained	1NO	A20K-2AE10-2	A204K-2AE10-2	A204K-2AE10-2U
		1NC	A20K-2AE01-2	A204K-2AE01-2	A204K-2AE01-2U
		2NO	A20K-2AE20-2	A204K-2AE20-2	A204K-2AE20-2U
		2NC	A20K-2AE02-2	A204K-2AE02-2	A204K-2AE02-2U
		1NO-1NC	A20K-2AE11-2	A204K-2AE11-2	A204K-2AE11-2U
		3NO	A20K-2AE30-2	A204K-2AE30-2	A204K-2AE30-2U
		3NC	A20K-2AE03-2	A204K-2AE03-2	A204K-2AE03-2U
		2NO-1NC	A20K-2AE21-2	A204K-2AE21-2	A204K-2AE21-2U
	 90° - 2 Position / Key selector type with spring return from right	1NO	A20K-21BE10-2	A204K-21BE10-2	A204K-21BE10-2U
		1NC	A20K-21BE01-2	A204K-21BE01-2	A204K-21BE01-2U
		2NO	A20K-21BE20-2	A204K-21BE20-2	A204K-21BE20-2U
		2NC	A20K-21BE02-2	A204K-21BE02-2	A204K-21BE02-2U
		1NO-1NC	A20K-21BE11-2	A204K-21BE11-2	A204K-21BE11-2U
		3NO	A20K-21BE30-2	A204K-21BE30-2	A204K-21BE30-2U
		3NC	A20K-21BE03-2	A204K-21BE03-2	A204K-21BE03-2U
		2NO-1NC	A20K-21BE21-2	A204K-21BE21-2	A204K-21BE21-2U
	 45° - 3 Position / Key selector type with maintained	2NO	A20K-3AE20-2	A204K-3AE20-2	A204K-3AE20-2U
		2NO	A20K-3AE20N1-2	A204K-3AE20N1-2	A204K-3AE20N1-2U
		2NC	A20K-3AE02-2	A204K-3AE02-2	A204K-3AE02-2U
		2NC	A20K-3AE02N1-2	A204K-3AE02N1-2	A204K-3AE02N1-2U
		1NO-1NC	A20K-3AE11-2	A204K-3AE11-2	A204K-3AE11-2U
		3NO	A20K-3AE30-2	A204K-3AE30-2	A204K-3AE30-2U
		3NC	A20K-3AE03-2	A204K-3AE03-2	A204K-3AE03-2U
		2NO-1NC	A20K-3AE21-2	A204K-3AE21-2	A204K-3AE21-2U
	 45° - 3 Position / Key selector type with spring return from right	1NO-2NC	A20K-3AE12-2	A204K-3AE12-2	A204K-3AE12-2U
		2NO	A20K-31BE20-2	A204K-31BE20-2	A204K-31BE20-2U
		2NO	A20K-31BE20N1-2	A204K-31BE20N1-2	A204K-31BE20N1-2U
		2NC	A20K-31BE02-2	A204K-31BE02-2	A204K-31BE02-2U
		2NC	A20K-31BE02N1-2	A204K-31BE02N1-2	A204K-31BE02N1-2U
		1NO-1NC	A20K-31BE11-2	A204K-31BE11-2	A204K-31BE11-2U
		3NO	A20K-31BE30-2	A204K-31BE30-2	A204K-31BE30-2U
		3NC	A20K-31BE03-2	A204K-31BE03-2	A204K-31BE03-2U
	 45° - 3 Position / Key selector type with spring return from two-way	2NO-1NC	A20K-31BE21-2	A204K-31BE21-2	A204K-31BE21-2U
		1NO-2NC	A20K-31BE12-2	A204K-31BE12-2	A204K-31BE12-2U
		2NO	A20K-33DE20-2	A204K-33DE20-2	A204K-33DE20-2U
		2NO	A20K-33DE20N1-2	A204K-33DE20N1-2	A204K-33DE20N1-2U
		2NC	A20K-33DE02-2	A204K-33DE02-2	A204K-33DE02-2U
		2NC	A20K-33DE02N1-2	A204K-33DE02N1-2	A204K-33DE02N1-2U
		1NO-1NC	A20K-33DE11-2	A204K-33DE11-2	A204K-33DE11-2U
		3NO	A20K-33DE30-2	A204K-33DE30-2	A204K-33DE30-2U
		3NC	A20K-33DE03-2	A204K-33DE03-2	A204K-33DE03-2U
		2NO-1NC	A20K-33DE21-2	A204K-33DE21-2	A204K-33DE21-2U
		1NO-2NC	A20K-33DE12-2	A204K-33DE12-2	A204K-33DE12-2U

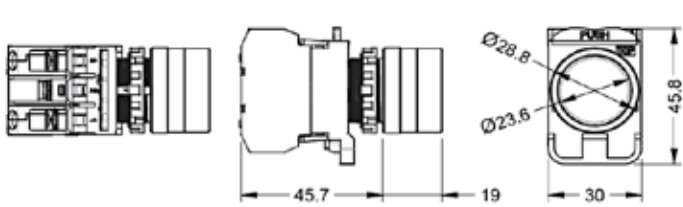
Dimensions

Unit: mm

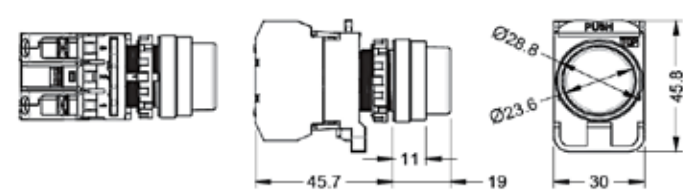
Flush type pushbutton



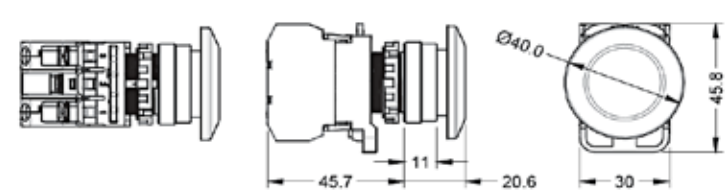
Illuminated flush type pushbutton



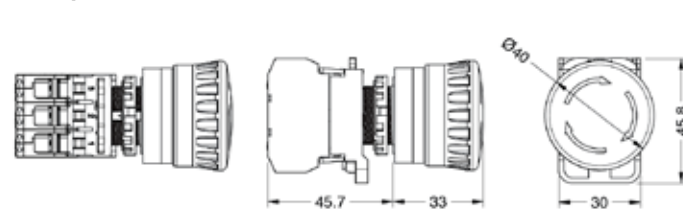
Extended type pushbutton



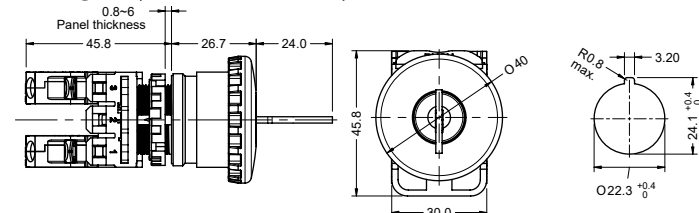
Mushroom type pushbutton



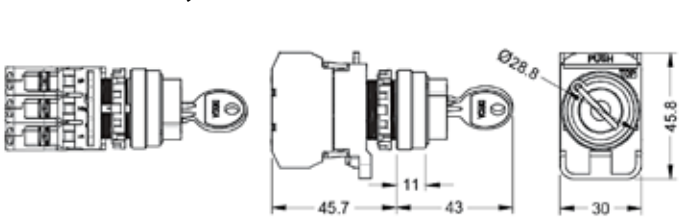
E-Stop switches



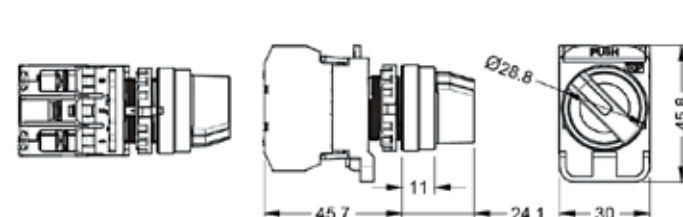
Emergency Switch with Key Reset



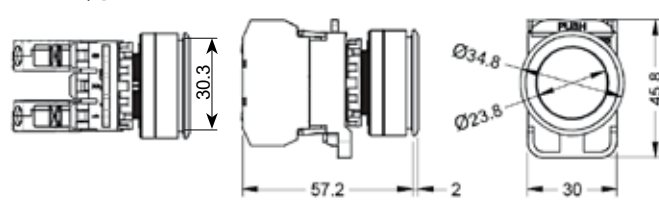
2/3 Position key selector switch



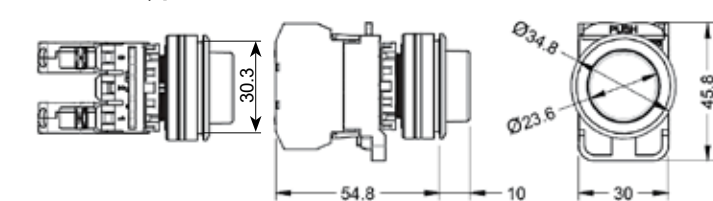
2/3 Position selector switch



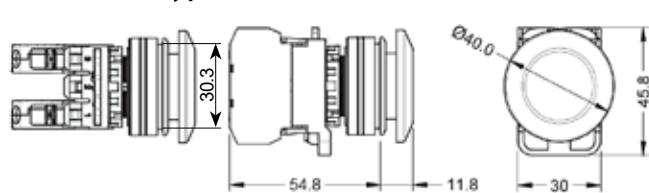
Flush type w/flush mountable metal bezels



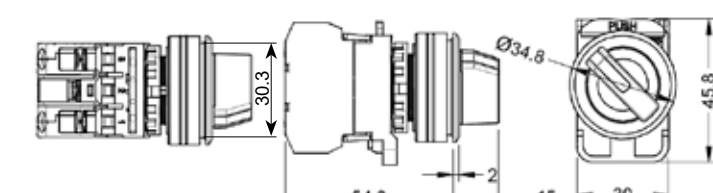
Extended type w/flush mountable metal bezels



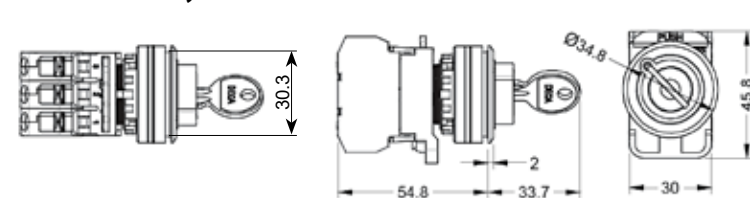
Mushroom type w/flush mountable metal bezels



2/3 Position selector w/flush mountable metal bezels

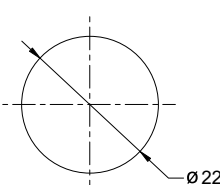


2/3 Position key selector switch w/flush mountable metal bezels

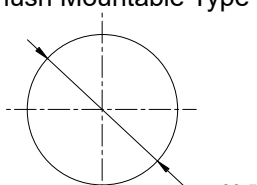


Panel Hole Guide

Standard Type



Metal bezel
Flush Mountable Type



Tower
Lights

Beacon
Lights

LED Indicators
Pilot Lamps

Buzzer
Alarms

Pushbutton
Switches

Limit
Switches

Foot
Switches

SSR

Relay
&
Sockets

Relay
Terminal
Blocks

Terminal
Blocks

Fuse
Holders

Enclosures

A20 Series Operators

	Style	Operation	Part Numbers
Non-illuminated Pushbutton		Momentary	A20B-M1E①
		Maintained	A20B-A1E①
		Momentary	A20B-M2E①
		Maintained	A20B-A2E①
		Momentary	A20B-M4E①
		Maintained	A20B-A4E①
		Momentary	A204B-M1E①
		Maintained	A204B-A1E①
		Momentary	A204B-M2E①
		Maintained	A204B-A2E①
		Momentary	A204B-M1E①-U
		Maintained	A204B-A1E①-U
		Momentary	A204B-M2E①-U
		Maintained	A204B-A2E①-U
		Momentary	A204B-M4E①
		Maintained	A204B-A4E①
		Momentary	A204B-M4E①-U
		Maintained	A204B-A4E①-U

	Style	Operation	Part Numbers
Illuminated Pushbutton		Momentary	A20L-MF2E②
		Maintained	A20L-AF2E②
		Momentary	A20L-M2E②
		Maintained	A20L-A2E②
		Momentary	A20L-M4E②
		Maintained	A20L-A4E②
		Momentary	A204L-M1E②
		Maintained	A204L-A1E②
		Momentary	A204L-M2E②
		Maintained	A204L-A2E②
		Momentary	A204L-M1E②-BU
		Maintained	A204L-A1E②-BU
		Momentary	A204L-M2E②-U
		Maintained	A204L-A2E②-U
		Momentary	A204L-M4E②
		Maintained	A204L-A4E②
		Momentary	A204L-M4E②-U
		Maintained	A204L-A4E②-U

* ① (Head color) = **B**: Black, **G**: Green, **R**: Red, **S**: Blue, **W**: White, **Y**: Yellow

* ② (Lens color) = **G**: Green, **R**: Red, **S**: Blue, **W**: White, **Y**: Yellow

	Style	Operation	Part Numbers
Non-illuminated selector switches		Maintained	A20S-2E①
		Spring return from right	A20S-21E①
		Maintained	A20S-3E①
		Spring return from right	A20S-31E①
		Spring return from two-way	A20S-33E①
Illuminated selector switches		Maintained	A20F-2E②
		Spring return from right	A20F-21E②
		Maintained	A20F-3E②
		Spring return from right	A20F-31E②
		Spring return from two-way	A20F-33E②
Non-illuminated selector switches with metal bezel		Maintained	A204S-2E①
		Spring return from right	A204S-21E①
		Maintained	A204S-3E①
		Spring return from right	A204S-31E①
		Spring return from two-way	A204S-33E①
Illuminated selector switches with metal bezel		Maintained	A204F-2E②
		Spring return from right	A204F-21E②
		Maintained	A204F-3E②
		Spring return from right	A204F-31E②
		Spring return from two-way	A204F-33E②
Non-illuminated selector switches with flush mountable metal bezel		Maintained	A204S-2E①-U
		Spring return from right	A204S-21E①-U
		Maintained	A204S-3E②-U
		Spring return from right	A204S-31E②-U
		Spring return from two-way	A204S-33E②-U

	Style	Operation	Part Numbers
Illuminated selector switches with flush mountable metal bezel		Maintained	A204F-2E②-U
		Spring return from right	A204F-21E②-U
		Maintained	A204F-3E②-U
		Spring return from right	A204F-31E②-U
		Spring return from two-way	A204F-33E②-U
Key selector switches		Maintained	A20K-2AE-2
		Spring return from right	A20K-21BE-2
		Maintained	A20K-3AE-2
		Spring return from right	A20K-31BE-2
		Spring return from two-way	A20K-33DE-2
Key selector switches with metal bezels		Maintained	A204K-2AE-2
		Spring return from right	A204K-21BE-2
		Maintained	A204K-3AE-2
		Spring return from right	A204K-31BE-2
		Spring return from two-way	A204K-33DE-2
Key selector switches with flush mountable metal bezels		Maintained	A204K-2AE-2U
		Spring return from right	A204K-21BE-2U
		Maintained	A204K-3AE-2U
		Spring return from right	A204K-31BE-2U
		Spring return from two-way	A204K-33DE-2U
Non-illuminated E-Stop switches		Push lock Twist reset	A20B-V4ER
Illuminated E-Stop switches		Push lock Twist reset	A20L-V4ER
Key-Reset E-Stop switches		Push lock Key reset	A20E-K4

* ① (Head color) = **N**one: Black, **G**: Green, **R**: Red, **S**: Blue, **W**: White, **Y**: Yellow

* ② (Lens color) = **G**: Green, **R**: Red, **S**: Blue, **W**: White, **Y**: Yellow

Tower
Lights

Beacon
Lights

LED Indicators
Pilot Lamps

Buzzer
Alarms

Pushbutton
Switches

Limit
Switches

Foot
Switches

SSR

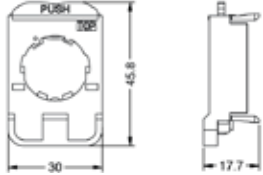
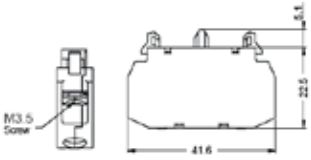
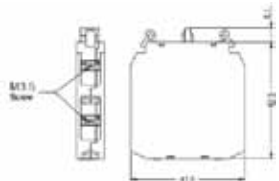
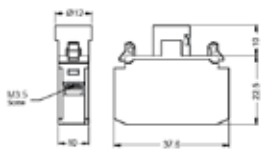
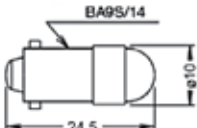
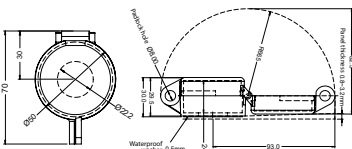
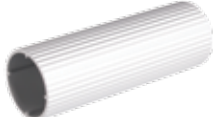
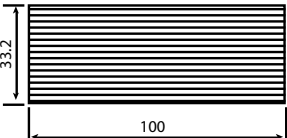
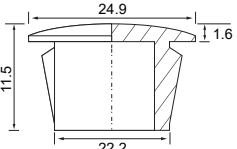
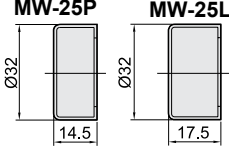
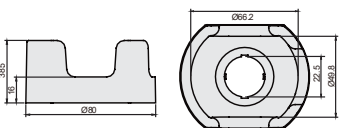
Relay
&
Sockets

Relay
Terminal
Blocks

Terminal
Blocks

Fuse
Holders

Enclosures

Name	Part No.	Description	Dimensions
	A20B-E00P	Contact block mounting adapter	
	A20-E01P	1NC contact block	
	A20-E10P	1NO contact block	
	A20-E20P	2NO contact block	
	A20-E11P	1NO-1NC contact block	
	A20-E02P	2NC contact block	
	A20-E00P	Lamp socket - full voltage adapter	
	LAED-②③*	LED lamp	
	A29Z-KL1	Padlock cover	
	MC-P100	Locking ring wrench	
	BC-HP-PG22	Plastic hole plug	
	MW-25P	Water proof cap	
	MW-25L		
	MPC-KA-LD22	E-Stop switch protect cover	

* ② (Operation Voltage) = **6**: 6VAC/DC, **1**: 12VAC/DC, **2**: 24VAC/DC, **H**: 110VAC/DC, **M3**: 230/240VAC/DC
 * ③ (Lens color) = **G**: Green, **R**: Red, **S**: Blue, **W**: White, **Y**: Yellow