

A20 Series

Ø22 Switches/Buttons



- 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

Contacts	Contact Material	Silver				
	Rated Insulation Voltage	250VAC				
	Thermal Current	10A				
	Maximum Voltage	600V				
	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	-
			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		
	1NO-1NC	A20B-A1E11 ①	A20L-AF2E11Q ② ③		
		Momentary	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	-
	Maintained	2NO-1NC	A204B-M1E21 ①	-	
		1NO-1NC	A204B-M1E12 ①	-	
		1NO	A204B-A1E10 ①	A204L-A1E10Q ② ③	
		1NC	A204B-A1E01 ①	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	
	Maintained	1NO-1NC	A204B-M2E11 ①	A204L-M2E11Q ② ③	
		1NO	A204B-A2E10 ①	A204L-A2E10Q ② ③	
		1NC	A204B-A2E01 ①	A204L-A2E01Q ② ③	
	Momentary	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	
		Maintained	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		
	Momentary	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

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

	Style	Operation	Contacts	Part Numbers			
				Non-Illuminated	Illuminated		
Push Buttons with flush mountable metal bezels	 <p>Flush type</p>	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	 <p>Extended Type</p>	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-V4ER03		-		
		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-K4ER03	-		
			2NO-1NC	A20E-K4E21R	-		
			1NO-2NC	A20E-K4E12R	-		

	Style	Contacts	Part Numbers	
			Non-Illuminated	Illuminated
Selector switches	 <p>90° - 2 Position / Knob type with maintained</p>	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	-	
	 <p>90° - 2 Position / Knob type with spring return from right</p>	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	-	
 <p>45° - 3 Position / Knob type with maintained</p>	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	-	
 <p>45° - 3 Position / Knob type with spring return from right</p>	1NO-2NC	A20S-3E12 ①	-	
	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	-	
 <p>45° - 3 Position / Knob type with spring return from two-way</p>	2NO-1NC	A20S-31E21 ①	-	
	1NO-2NC	A20S-31E12 ①	-	
	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	-	

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* 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

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

Selector switches with metal bezels






Style	Contacts	Part Numbers	
		Non-Illuminated	Illuminated
 <p>90° - 2 Position / Knob type with maintained</p>	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	-
 <p>90° - 2 Position / Knob type with spring return from right</p>	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	-
 <p>45° - 3 Position / Knob type with maintained</p>	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	-
 <p>45° - 3 Position / Knob type with spring return from right</p>	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	-
 <p>45° - 3 Position / Knob type with spring return from two-way</p>	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

Selector switches with flush mountable metal bezels

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

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

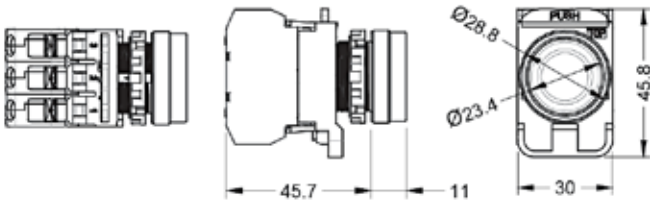
Enclosures

	Style	Contacts	Part Numbers		
			Standard	Metal Bezel	Flush Mountable
Key Selector switches	 <p>90° - 2 Position / Key selector type with maintained</p>	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
	1NO-2NC	A20K-2AE12-2	A204K-2AE12-2	A204K-2AE12-2U	
	 <p>90° - 2 Position / Key selector type with spring return from right</p>	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
	1NO-2NC	A20K-21BE12-2	A204K-21BE12-2	A204K-21BE12-2U	
	 <p>45° - 3 Position / Key selector type with maintained</p>	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	
1NO-2NC	A20K-3AE12-2	A204K-3AE12-2	A204K-3AE12-2U		
 <p>45° - 3 Position / Key selector type with spring return from right</p>	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	
	2NO-1NC	A20K-31BE21-2	A204K-31BE21-2	A204K-31BE21-2U	
1NO-2NC	A20K-31BE12-2	A204K-31BE12-2	A204K-31BE12-2U		
 <p>45° - 3 Position / Key selector type with spring return from two-way</p>	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

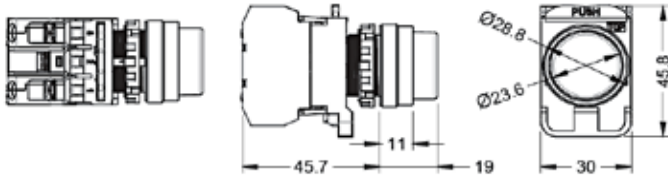
Flush type pushbutton



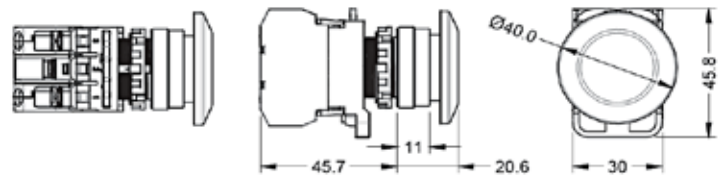
Illuminated flush type pushbutton



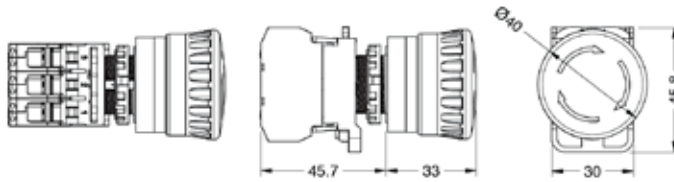
Extended type pushbutton



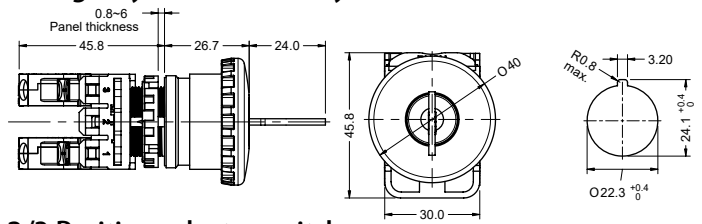
Mushroom type pushbutton



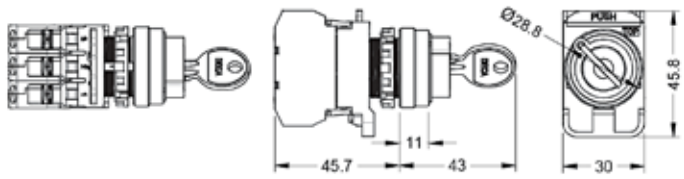
E-Stop switches



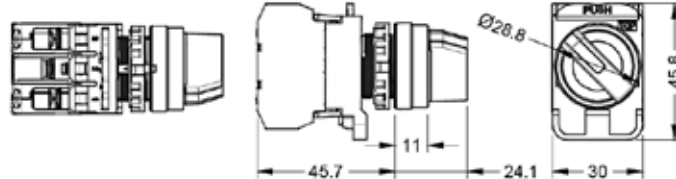
Emergency Switch with Key Reset



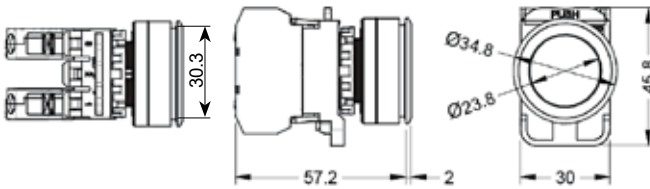
2/3 Position key selector switch



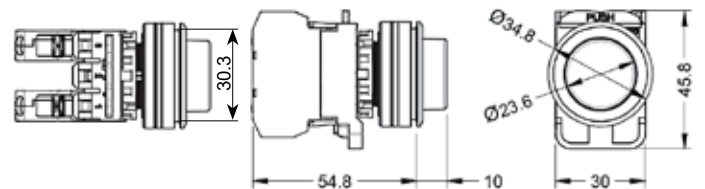
2/3 Position selector switch



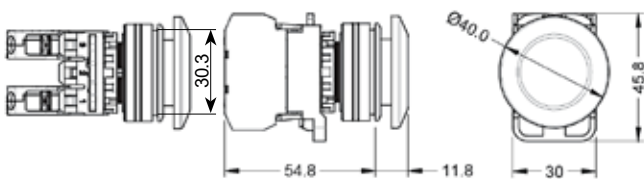
Flush type w/flush mountable metal bezels



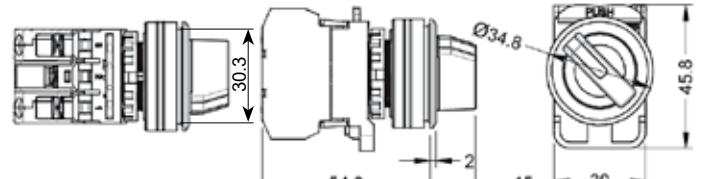
Extended type w/flush mountable metal bezels



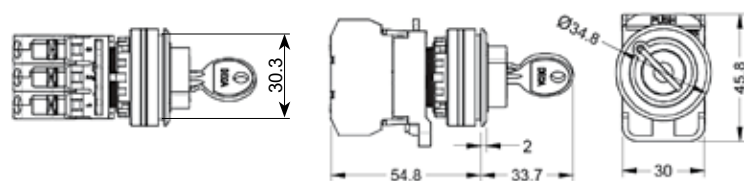
Mushroom type w/flush mountable metal bezels



2/3 Position selector w/flush mountable metal bezels

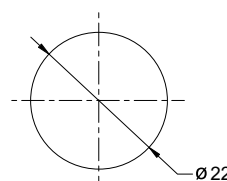


2/3 Position key selector switch w/flush mountable metal bezels

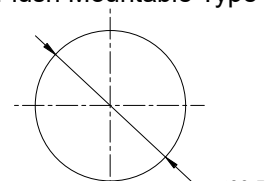


Panel Hole Guide

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
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
	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
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
	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
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
	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
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
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-② ③*	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