

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	-		
		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		
			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-
			1NO-1NC	A204B-M1E12 ①	-
		Maintained	3NO	A204B-M1E30 ①	-
			3NC	A204B-M1E03 ①	-
		Momentary	2NO-1NC	A204B-M1E21 ①	-
			1NO-1NC	A204B-M1E12 ①	-
			1NO	A204B-A1E10 ①	A204L-A1E10Q ② ③
			1NC	A204B-A1E 01①	A204L-A1E01Q ② ③
		Maintained	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
			1NO	A204B-M2E10 ①	A204L-M2E10Q ② ③
	Momentary	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	
Ø40mm Mushroom with metal bezels		Momentary	1NO-1NC	A204B-A2E11 ①	A204L-A2E11Q ② ③
			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
		Maintained	1NO-1NC	A204B-M4E11 ①	A204L-M4E11Q ② ③
			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 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	-
 <p>90° - 2 Position / Knob type with spring return from right</p>	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	-
 <p>45° - 3 Position / Knob type with maintained</p>	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	-
 <p>45° - 3 Position / Knob type with spring return from right</p>	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	-
 <p>45° - 3 Position / Knob type with spring return from two-way</p>	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

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

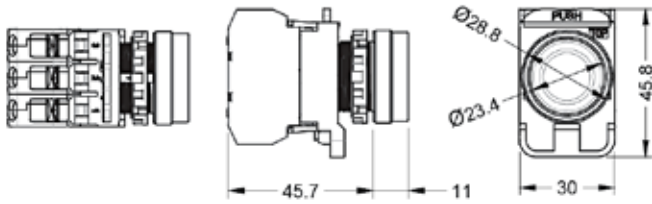
Enclosures

	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

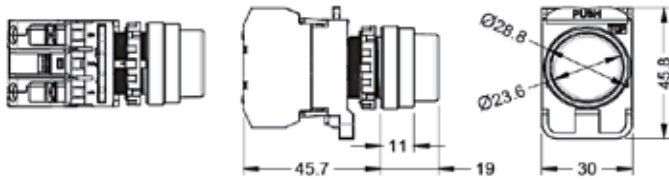
Flush type pushbutton



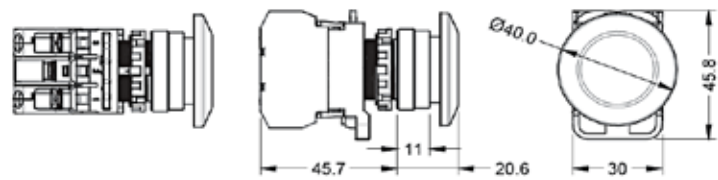
Illuminated flush type pushbutton



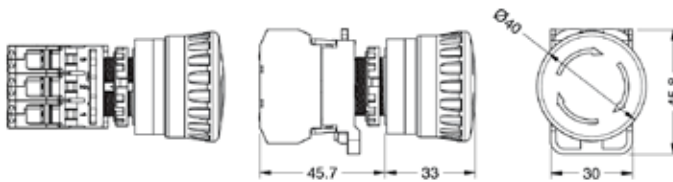
Extended type pushbutton



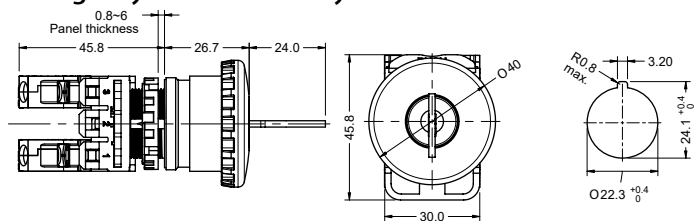
Mushroom type pushbutton



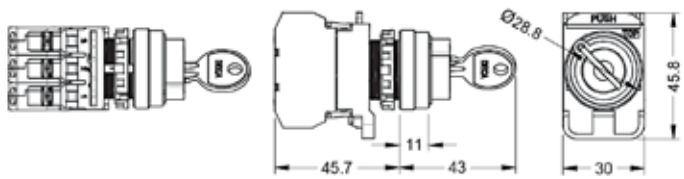
E-Stop switches



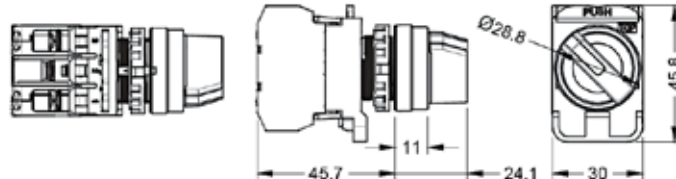
Emergency Switch with Key Reset



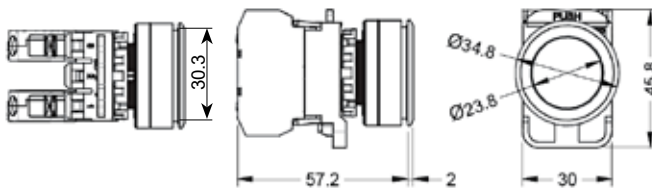
2/3 Position key selector switch



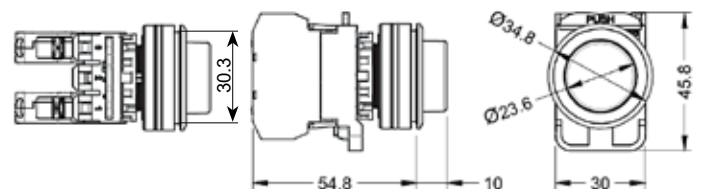
2/3 Position selector switch



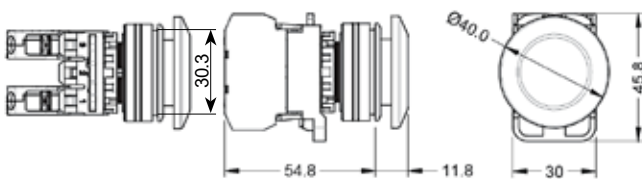
Flush type w/flush mountable metal bezels



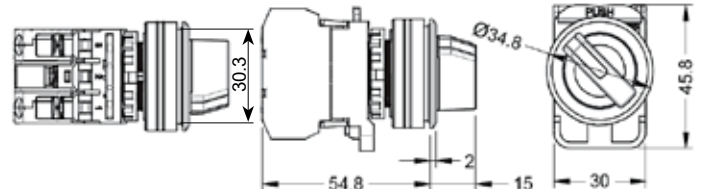
Extended type w/flush mountable metal bezels



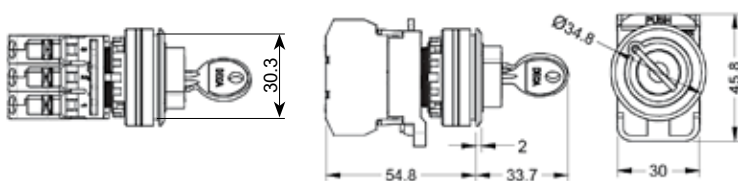
Mushroom type w/flush mountable metal bezels



2/3 Position selector w/flush mountable metal bezels

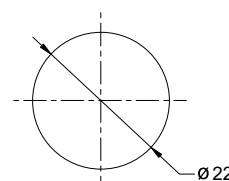


2/3 Position key selector switch w/flush mountable metal bezels

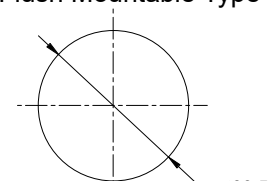


Panel Hole Guide










Standard Type









Metal bezel
Flush Mountable Type
























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

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