

Control Switch

B Series



Pilot Light



Non-Illuminated
Push Button Switch



Illuminated
Push Button Switch



Knob Type
Selector Switch



Lever Type
Selector Switch



Key Switch



Emergency Stop Switch



Waterproof
Emergency Stop Switch



Latching type
Emergency Stop Switch



Ø45
Emergency Stop Switch



Mushroom
Push Button Switch



Eyebrow
Push Button Switch



Ø65 Mushroom
Push Button Switch



Protatable
Push Button Switch



Full Guard
Push Button Switch

Control Switch

B Series

Part Number Description

B - 1 2 3 4 5			
❶ Operator Type	1 : Pilot Light	2 : Momentary	4 : 2 Position Selector
	5 : 3 Position Selector	6 : 2 Position Key	7 : 3 Position Key
	8 : Emergency Stop		
❷ Illumination	1 : Non-illuminated Round	7 : Illumination Round (LED)	
❸ Color	R : Red	G : Green	Y : Yellow
	B : Blue	W : White	
❹ Operating Head Type	N40 : Ø40	B40 : Full Guard Ø40	
	N65 : Ø65	B65 : Full Guard Ø40	F65 : Ø65 protable
	C65 : Meta Full Guard Ø65		
	F : Flower (Only Emergency Stop)	A : Waterproof Emergency Stop	L : Latching Emergency Stop
❺ Rated Voltage	24VDC	48VDC	110/125VAC
	110/125VDC	220/240VAC	380VAC

General Specification

General Ratings	Rated Current		10A 250VAC	
	Contact Resistance		Max. 50mΩ	
	Insulation Resistance		Min. 100MΩ (500VDC)	
	Frequency of ON/OFF	Mechanical	30 times / 1Min.	
		Electrical	30 times / 1Min.	
	Dielectric strength	Between terminal	1,800VAC/ Min. (50-60Hz)	
		Body and terminal	2,500VAC/ Min. (50-60Hz)	
	Expected Life	Mechanical	500,000 times	
		Electrical	100,000 times	
	Degree of Protection		PL: IP65 PB, PBL: custom production	S/S, Key: IP63 EPB: Only A Type(IP65)
	Ambient Temperature		-25°C ~ +70°C (With no icing)	
	Ambient Humidity		35 ~ 80% RH	
	Illumination	Current	AC	LED
		Voltage	DC	LED
		Approx. 15mA		
		Approx. 15mA		
			24VAC	
			Min. 50,000hrs	
Contact Ratings	Contact Material		Ag Alloy	
	Rated Current	Voltage	AC1	AC3 DC1
		24V	20A	10A 6A
		110V	16A	8A 1.2A
		250V	10A	5A 0.5A
		440V	5A	2.5A 0.25A

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Illuminated Voltage	220VAC	200-240VAC(50/60HZ)
	110VAC	100-120VAC (50/60HZ)
	110VDC	100-125VDC
	24VDC	24VDC

Product Selection

Operator Type	Panel Cutting Hole	Contact Form	Color	Part Number	Rated Voltage
Momentary Non-Illuminated Push Button Switch 	Ø25	1N/O + 1N/C	Red	B25-21R	24VDC
			Green	B25-21G	48VDC
			Blue	B25-21B	110/125VDC
			Yellow	B25-21Y	110/125VAC
			White	B25-21W	220/240VAC 380VAC
	Ø30	1N/O + 1N/C	Red	B30-21R	24VDC
			Green	B30-21G	48VDC
			Blue	B30-21B	110/125VDC
			Yellow	B30-21Y	110/125VAC
			White	B30-21W	220/240VAC 380VAC
Illuminated LED Pilot Lamp "BA9S + L" LED 	Ø25	-	Red	B25-17R	24VDC
			Green	B25-17G	48VDC
			Blue	B25-17B	110/125VDC
			Yellow	B25-17Y	110/125VAC
			White	B25-17W	220/240VAC 380VAC
	Ø30	-	Red	B30-17R	24VDC
			Green	B30-17G	48VDC
			Blue	B30-17B	110/125VDC
			Yellow	B30-17Y	110/125VAC
			White	B30-17W	220/240VAC 380VAC
Momentary Illuminated LED Push Button Switch "BA9S + L" LED 	Ø25	1N/O + 1N/C	Red	B25-27R	24VDC
			Green	B25-27G	48VDC
			Blue	B25-27B	110/125VDC
			Yellow	B25-27Y	110/125VAC
			White	B25-27W	220/240VAC 380VAC
	Ø30	1N/O + 1N/C	Red	B30-27R	24VDC
			Green	B30-27G	48VDC
			Blue	B30-27B	110/125VDC
			Yellow	B30-27Y	110/125VAC
			White	B30-27W	220/240VAC 380VAC

Control Switch

B Series

Product Selection

Operator Type	Panel Cutting Hole	Contact Form	Color	Operator Function	Part Number	Rated Voltage
Knob Type Selector 	Ø25	1N/O + 1N/C		2 Position	B25-41S	-
				3 Position	B25-51S	-
	Ø30	1N/O + 1N/C		2 Position	B30-41S	-
				3 Position	B30-51S	-
Lever Type Selector 	Ø25	1N/O + 1N/C		2 Position	B25-41L	-
				3 Position	B25-51L	-
	Ø30	1N/O + 1N/C		2 Position	B30-41L	-
				3 Position	B30-51L	-
Key Switch 	Ø25	1N/O + 1N/C		2 Position	B25-61K	-
				3 Position	B25-71K	-
	Ø30	1N/O + 1N/C		2 Position	B30-61K	-
				3 Position	B30-71K	-
Non-Illuminated Emergency Stop Switch + 24K Au Plate 	Ø25	1N/O + 1N/C	Red	-	B25-81R	-
	Ø30	1N/O + 1N/C	Red	-	B30-81R	-
Non-Illuminated Waterproof Emergency Stop Switch + 24K Au Plate IP65 	Ø25	1N/O + 1N/C	Red	-	B25-81A	-
	Ø30	1N/O + 1N/C	Red	-	B30-81A	-
Non-Illuminated Waterproof Emergency Stop Switch + EN 418 Standard Compliance product 24K Au Plate IP65 	Ø25	1N/O + 1N/C	Red	-	B25-81L	-
	Ø30	1N/O + 1N/C	Red	-	B30-81L	-
Ø45Non-Illuminated Emergency Stop Switch + 24K Au Plate 	Ø25	1N/O + 1N/C	Red	-	B25-81F	-
	Ø30	1N/O + 1N/C	Red	-	B30-81F	-

Product Selection

Operator Type	Panel Cutting Hole	Contact Form	Color	Part Number	Rated Voltage
Ø40 Non-Illuminated Mushroom Push Button Switch 	Ø25	1N/O+1N/C	Red	B25-21R-N40	-
			Green	B25-21G-N40	
			Yellow	B25-21Y-N40	
	Ø30	1N/O+1N/C	Red	B30-21R-N40	-
			Green	B30-21G-N40	
			Yellow	B30-21Y-N40	
Non-Illuminated Eyebrow Push Button 	Ø25	1N/O+1N/C	Red	B25-21R-EG	-
			Green	B25-21G-EG	
			Blue	B25-21B-EG	
			Yellow	B25-21Y-EG	
			White	B25-21W-EG	
	Ø30	1N/O+1N/C	Red	B30-21R-EG	-
			Green	B30-21G-EG	
			Blue	B30-21B-EG	
			Yellow	B30-21Y-EG	
			White	B30-21W-EG	
Ø65 Non-Illuminated Mushroom Push Button Switch + 24K Au Plate IP65 	Ø30	1N/O+1N/C	Red	B30-21R-N65	-
			Green	B30-21G-N65	
			Blue	B30-21Y-N65	
			Yellow	B30-21G-N65	
			White	B30-21Y-N65	

Control Switch

B Series

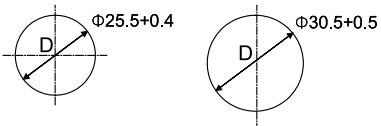
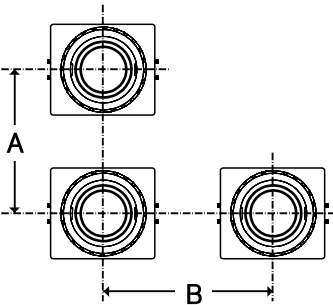
Product Selection

Operator Type	Panel Cutting Hole	Contact Form	Color	Part Number	Rated Voltage
Ø65 Non-Illuminated Protable Push Button Switch + 24K Au Plate IP65 	Ø30	1N/O+1N/C	Black	B30-21K-C65	-
			Red	B30-21R-C65	
			Green	B30-21G-C65	
			Blue	B30-21Y-C65	
			Yellow	B30-21G-C65	
			White	B30-21Y-C65	
Ø65 Non-Illuminated Protable Push Button Switch 	Ø30	1N/O+1N/C	Black	B30-21K-F65	-
			Red	B30-21R-F65	
			Green	B30-21G-F65	
			Blue	B30-21Y-F65	
			Yellow	B30-21G-F65	
			White	B30-21Y-F65	
Ø65 Non-Illuminated Protable Push Button Switch 	Ø30	1N/O+1N/C	Black	B30-21K-H65	-
			Red	B30-21R-H65	
			Green	B30-21G-H65	
			Blue	B30-21Y-H65	
			Yellow	B30-21G-H65	
			White	B30-21Y-H65	
Ø40 Non-Illuminated Full Guard Push Button Switch 	Ø30	1N/O+1N/C	Black	B30-21K-B40	-
			Red	B30-21R-B40	
			Green	B30-21G-B40	
			Blue	B30-21Y-B40	
			Yellow	B30-21G-B40	
			White	B30-21Y-B40	
Ø65 Non-Illuminated Full Guard Push Button Switch 	Ø30	1N/O+1N/C	Black	B30-21K-B65	-
			Red	B30-21R-B65	
			Green	B30-21G-B65	
			Blue	B30-21Y-B65	
			Yellow	B30-21G-B65	
			White	B30-21Y-B65	

Accessory

	Operator Type	Color	Part Number
	Protection Cover	-	HP113 (Ø25)
			HP114 (Ø30)
			HP115 (Ø25)
			HP116 (Ø30)
	Protection Guard	-	KEG12 (Ø22)
			KEG15 (Ø25)
			KEG13 (Ø30)
	Name Plate	-	HP111
			HP112
			HP117A
			HP117B
			HP117C
			HP118A
			HP118B
			HP118C
	Ø65 Button	-	B65A
			B65B
			B65C
			B65D
			B65E
			B65F
			B65G

Mounting Guide line

Mounting size in Panel	Mounting space between switches			
		D Panel hole	Ø25.5 +0.4 -0	Ø30.5 +0.5 -0
		A	35	40
		Pilot Light	Min. 35	Min. 40
		Push Button	Min. 45	Min. 45
		Selector	Min. 50	Min. 50
		Key	Min. 50	Min. 50
		Emergency Stop	Min. 60/(A : 60)	Min. 60/(A : 60)
		Mushroom Push Button	Min. 45/(A : 45)	Min. 50/(A : 50)
		Protable Push Button	Min. 78/(A : 78)	Min. 78/(A : 78)

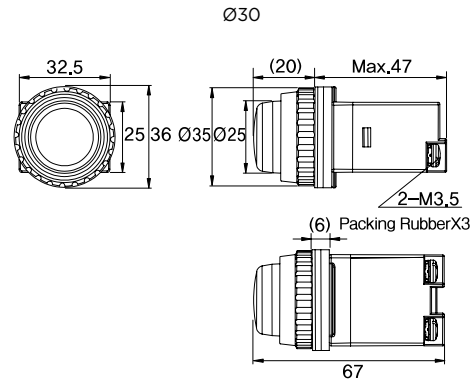
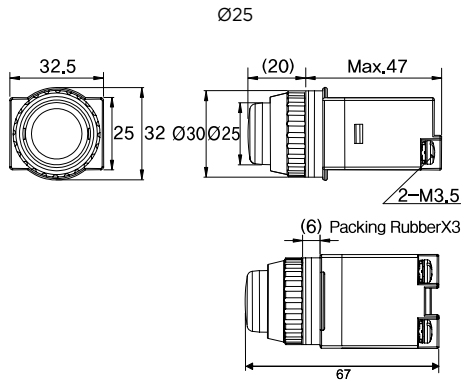
Control Switch

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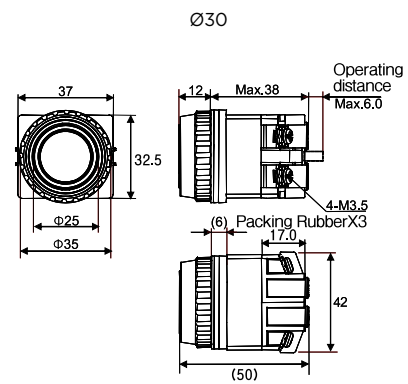
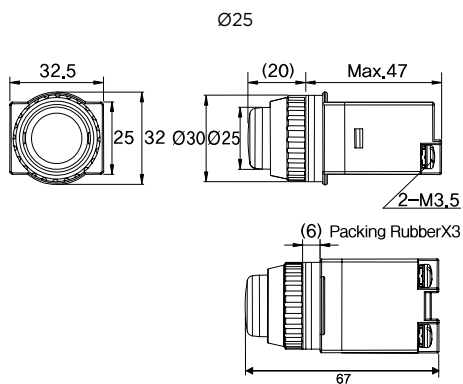
Dimension

Unit : mm

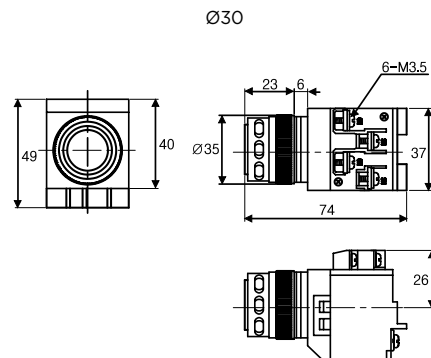
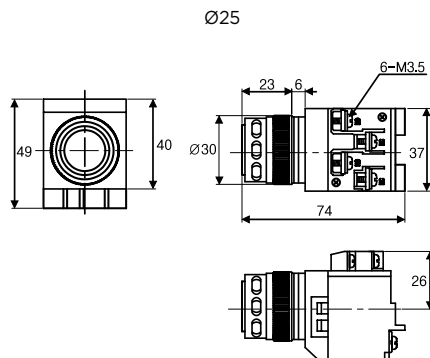
Pilot Light



Push Button



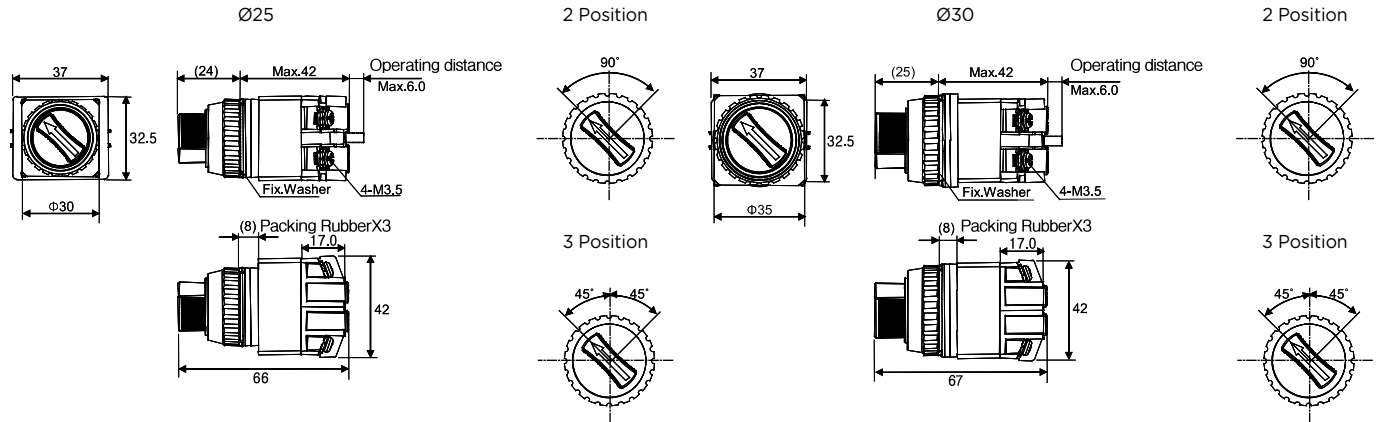
Illuminated Push Button



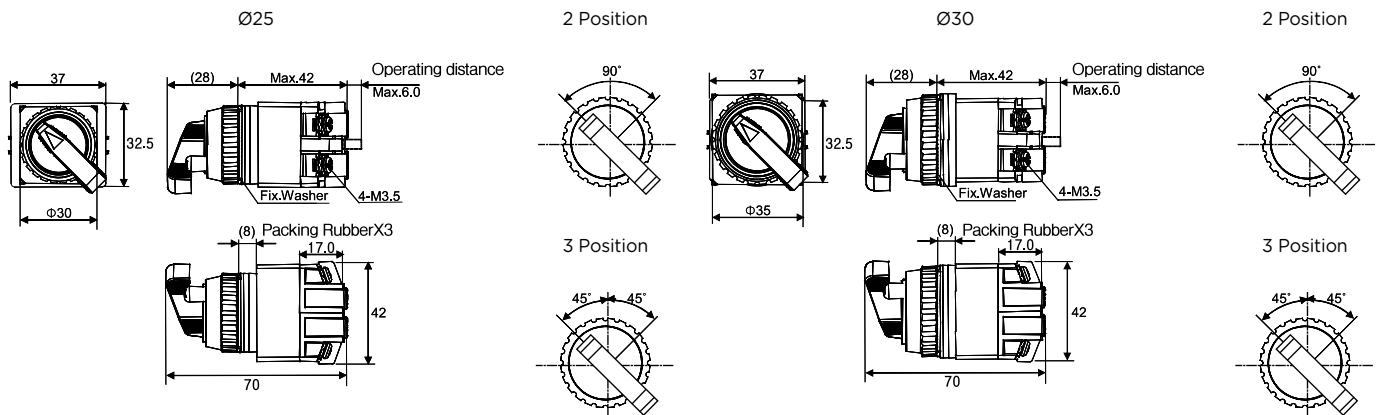
Dimension

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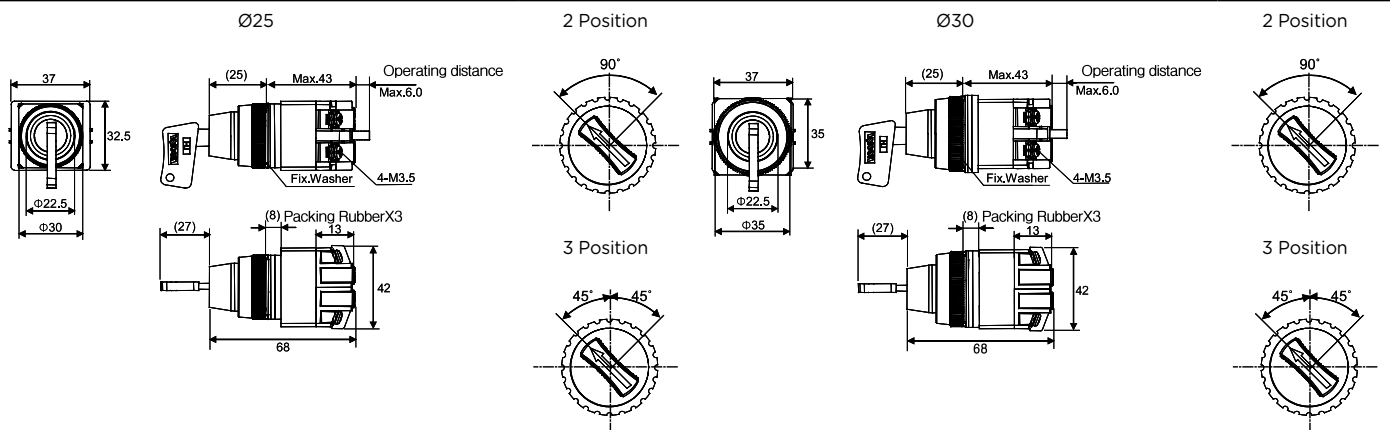
Knob Type Selector



Lever Type Selector



Key



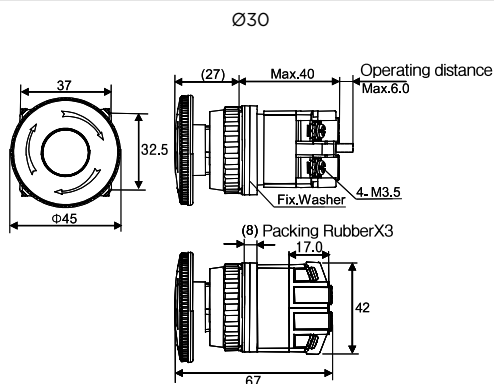
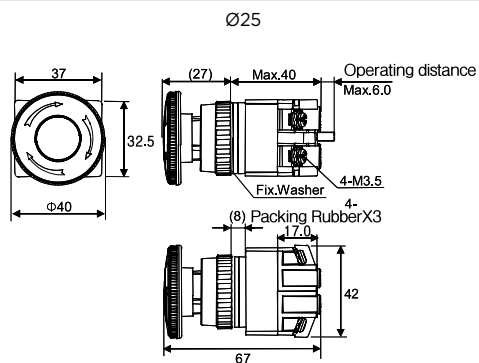
Control Switch

B 시리즈

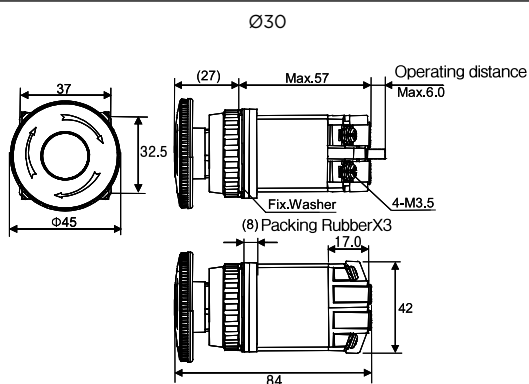
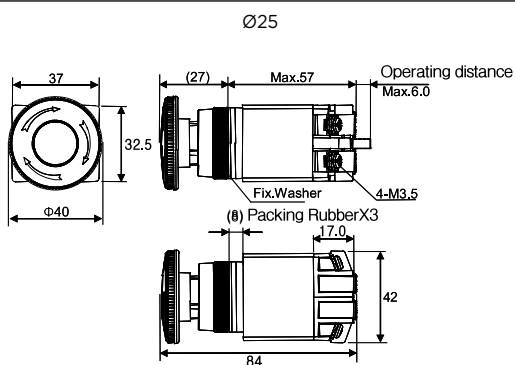
Dimension

Unit : mm

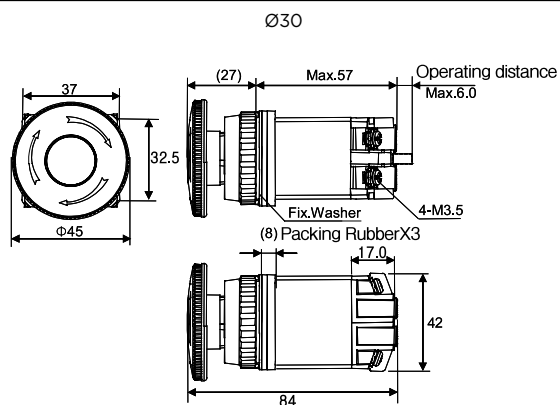
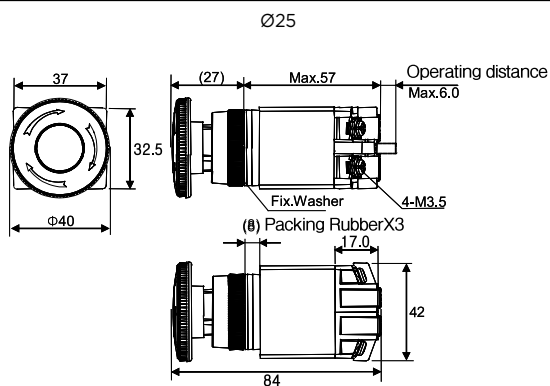
Emergency Stop



Emergency Stop (Waterproof)



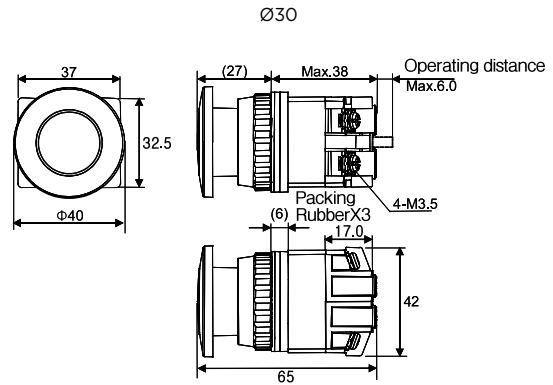
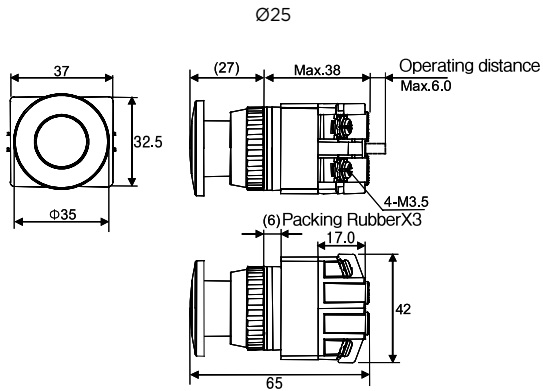
Latching type Emergency Stop



Dimension

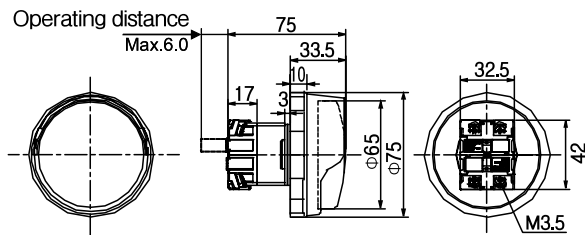
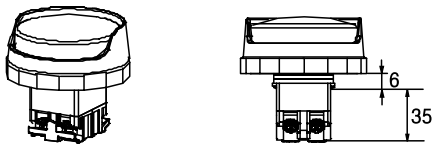
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Mushroom Push Button

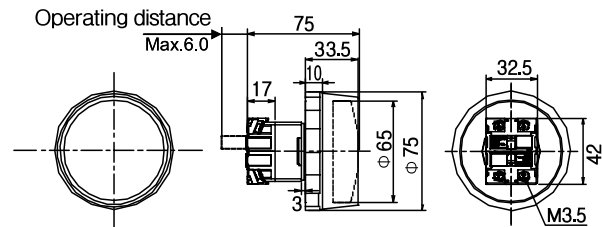
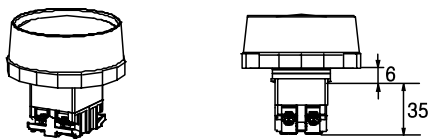


Protable Push Button

Ø30



Ø30



Ø30

