

Control Switch

K25F K30F Series - Flush Type



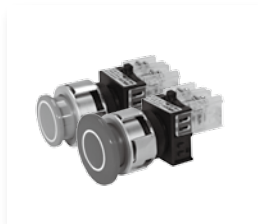
Pilot Light



Non-Illuminated
Push Button Switch



Illuminated
Push Button Switch



Non-Illuminated
Mushroom Push Button Switch



Illuminated
Mushroom Push Button
Switch



Key Switch



Non-Illuminated
Selector Switch



Illuminated
Selector Switch



Buzzer

Part Number Description

K - **1** - **2** **3** **4** - **5** **6**

1 Operator Type	25F : Ø25	30F : Ø30	
2 Bezel Type	1 : Pilot Light 4 : 2 Position selector 7 : 3 Position Key	2 : Momentary 5 : 3 Position selector BZ : Buzzer	3 : Maintained 6 : 2 Position Key 7 : 3 Position Key
3 Illumination & Shape	1 : Non - Illuminated Round	7 : Illumination Round (LED)	
4 Color	R : Red B : Blue	G : Green K : Black (Key)	Y : Yellow W : White
5 Second Standard	N29 : Ø29 S2R : 2 Step Auto Short Lever S3R : 3 Step Right Auto Short Lever L2R : 2 Step Auto Long Lever* L3R : 3 Step Right Auto Long Lever*	N40 : Ø40 S3LR : 3 Step Both Auto Short Lever L3LR : 3 Step Both Auto Long Lever* L : Long Lever*	S3L : 3 Step Left Auto Short Lever L3L : 3 Step Left Auto Long Lever*
6 Rated voltage	None : No Voltage 110/220VAC	12/24VDC	110VDC

※L2R, L3LR, L3L, L : Non illuminated type only

General Specification

Contact Ratings	Material		Ag alloy		
	Rated Current	voltage	AC1	AC3	DC1
		24V	10A	10A	6A
		48V	10A	10A	3A
		110V	10A	6A	2A
		250V	6A	4A	1A
		440V	2A	1.5A	-
	Minimum Switching Current		10A		
	Minimum Switching Voltage		440VAC		
	Contact Resistance		50mΩ		
Illumination	Norminal Current	AC	LED	20mA	
		DC	LED	20mA	
		LED	Min. 50,000hrs		
General Ratings	Dielectric Strength	Between terminal	1,800VAC for 1 minute		
		Bady and terminal	2,500VAC for 1 minute		
	Life Cycles	Mechanical	Min. 200,000		
		Electrical	Min. 2,000,000 (Emergency, Selector : Min. 500,000)		
	Degree of Protection		IP40		
	Insulation Resistance		Min. 100MΩ (500VDC)		
	Freequency of Alteration		30 time / 1 minute		
	Ambient Temperature		-25℃ ~ + 70℃ (without no icing)		
	Torque		0.8N·m (8.16kgf·cm)		
Buzzer	Mounting size		K25F-BZ : Ø25mm		K30F-BZ : Ø30mm
	Rated Voltage		90VAC ~ 240VAC		12VDC ~ 24VDC
	Power consumption		Max. 5W		
	Rated power		Max. 1W		
	Volume		80(dB) 1 minute		
	Degree of Protection		IP40		
	Sound Type		Continuous		Alternating frequency
	Terminal		0.8N·m (8.16kgf·cm)		

☞ All right reserved. Specification subject to change without notice.

Control Switch

K25F K30F Series - Flush Type

Product Selection

	Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
	Illuminated LED Pilot Light	Ø25	-	Red	K25F-17R	12/24VDC 110VDC 110/220VAC
				Green	K25F-17G	
				Yellow	K25F-17Y	
				Blue	K25F-17B	
				White	K25F-17W	
				Black	K25F-17K	
		Ø30	-	Red	K30F-17R	12/24VDC 110VDC 110/220VAC
				Green	K30F-17G	
				Yellow	K30F-17Y	
				Blue	K30F-17B	
				White	K30F-17W	
				Black	K30F-17K	
	Momentary Non-Illuminated Push Button Switch	Ø25	1N/O	Red	K25F-21R	-
				Green	K25F-21G	
				Yellow	K25F-21Y	
				Blue	K25F-21B	
				White	K25F-21W	
				Black	K25F-21K	
		Ø30	1N/O	Red	K30F-21R	-
				Green	K30F-21G	
				Yellow	K30F-21Y	
				Blue	K30F-21B	
				White	K30F-21W	
				Black	K30F-21K	
	Maintained Non-Illuminated Push Button Switch	Ø25	1N/O	Red	K25F-31R	-
				Green	K25F-31G	
				Yellow	K25F-31Y	
				Blue	K25F-31B	
				White	K25F-31W	
				Black	K25F-31K	
		Ø30	1N/O	Red	K30F-31R	-
				Green	K30F-31G	
				Yellow	K30F-31Y	
				Blue	K30F-31B	
				White	K30F-31W	
				Black	K30F-31K	

Product Selection

	Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
	Momentary Illuminated LED Push Button Switch	Ø25	1N/O	Red	K25F-27R	12/24VDC 110VDC 110/220VAC
				Green	K25F-27G	
				Yellow	K25F-27Y	
				Blue	K25F-27B	
				White	K25F-27W	
				Black	K25F-27K	
		Ø30	1N/O	Red	K30F-27R	12/24VDC 110VDC 110/220VAC
				Green	K30F-27G	
				Yellow	K30F-27Y	
				Blue	K30F-27B	
				White	K30F-27W	
				Black	K30F-27K	
	Maintained Illuminated LED Push Button Switch	Ø25	1N/O	Red	K25F-37R	12/24VDC 110VDC 110/220VAC
				Green	K25F-37G	
				Yellow	K25F-37Y	
				Blue	K25F-37B	
				White	K25F-37W	
				Black	K25F-37K	
		Ø30	1N/O	Red	K30F-37R	12/24VDC 110VDC 110/220VAC
				Green	K30F-37G	
				Yellow	K30F-37Y	
				Blue	K30F-37B	
				White	K30F-37W	
				Black	K30F-37K	

Control Switch

K25F K30F Series - Flush Type

Product Selection

	Operator Type	Shape	Contact Form	Color	Selector Type	Operator Function	Part Number	Rated Voltage
	Knob Type Non-Illuminated Selector Switch (2 Position)	Ø25	1N/O	Black	Maintained		K25F-41K	-
				Red			K25F-41R	
				Green			K25F-41G	
				Yellow			K25F-41Y	
				Blue			K25F-41B	
		Ø30	1N/O	Black	Spring Return		K25F-41K-S2R	-
				Red			K25F-41R-S2R	
				Green			K25F-41G-S2R	
				Yellow			K25F-41Y-S2R	
				Blue			K25F-41B-S2R	
	Lever Type Non-Illuminated Selector Switch (2 Position)	Ø25	1N/O	Black	Maintained		K25F-41K-L	-
				Red			K25F-41R-L	
				Green			K25F-41G-L	
				Yellow			K25F-41Y-L	
				Blue			K25F-41B-L	
		Ø30	1N/O	Black	Spring Return		K25F-41K-L2R	-
				Red			K25F-41R-L2R	
				Green			K25F-41G-L2R	
				Yellow			K25F-41Y-L2R	
				Blue			K25F-41B-L2R	
		Ø30	1N/O	Black	Maintained		K30F-41K-L	-
				Red			K30F-41R-L	
				Green			K30F-41G-L	
				Yellow			K30F-41Y-L	
				Blue			K30F-41B-L	
		Ø30	1N/O	Black	Spring Return		K30F-41K-L2R	-
				Red			K30F-41R-L2R	
				Green			K30F-41G-L2R	
				Yellow			K30F-41Y-L2R	
				Blue			K30F-41B-L2R	

Product Selection

	Operator Type	Shape	Contact Form	Color	Selector Type	Operator Function	Part Number	Rated Voltage
	Knob Type Illuminated LED Selector Switch (2 Position)	Ø25	1N/O	Red	Maintained		K25F-47R	12/24VDC 110VDC 110/220VAC
				Green			K25F-47G	
				Yellow			K25F-47Y	
				Blue			K25F-47B	
				White			K25F-47W	
		Ø30	1N/O	Red	Spring Return		K25F-47R-S2R	12/24VDC 110VDC 110/220VAC
				Green			K25F-47G-S2R	
				Yellow			K25F-47Y-S2R	
				Blue			K25F-47B-S2R	
				White			K25F-47W-S2R	
		Ø25	1N/O	Red	Maintained		K30F-47R	12/24VDC 110VDC 110/220VAC
				Green			K30F-47G	
				Yellow			K30F-47Y	
				Blue			K30F-47B	
				White			K30F-47W	
		Ø30	1N/O	Red	Spring Return		K30F-47R-S2R	12/24VDC 110VDC 110/220VAC
				Green			K30F-47G-S2R	
				Yellow			K30F-47Y-S2R	
				Blue			K30F-47B-S2R	
				White			K30F-47W-S2R	

Control Switch

K25F K30F Series - Flush Type

Product Selection

	Operator Type	Shape	Contact Form	Color	Selector Type	Operator Function	Part Number	Rated Voltage
	Knob Type Non-Illuminated Selector Switch (3 Position)	Ø25	2N/O	Black	Maintained		K25F-51K	-
				Red			K25F-51R	
				Green			K25F-51G	
				Yellow			K25F-51Y	
				Blue			K25F-51B	
				Black	Left Auto		K25F-51K-S3L	-
				Red			K25F-51R-S3L	
				Green			K25F-51G-S3L	
				Yellow			K25F-51Y-S3L	
				Blue			K25F-51B-S3L	
				Black	Right Auto		K25F-51K-S3R	-
				Red			K25F-51R-S3R	
				Green			K25F-51G-S3R	
				Yellow			K25F-51Y-S3R	
				Blue			K25F-51B-S3R	
				Black	Both Auto		K25F-51K-S3LR	-
				Red			K25F-51R-S3LR	
				Green			K25F-51G-S3LR	
				Yellow			K25F-51Y-S3LR	
				Blue			K25F-51B-S3LR	
	Lever Type Non-Illuminated Selector Switch (3 Position)	Ø25	2N/O	Black	Maintained		K25F-51K-L	-
				Red			K25F-51R-L	
				Green			K25F-51G-L	
				Yellow			K25F-51Y-L	
				Blue			K25F-51B-L	
				Black	Left Auto		K25F-51K-L3L	-
				Red			K25F-51R-L3L	
				Green			K25F-51G-L3L	
				Yellow			K25F-51Y-L3L	
				Blue			K25F-51B-L3L	
				Black	Right Auto		K25F-51K-L3R	-
				Red			K25F-51R-L3R	
				Green			K25F-51G-L3R	
				Yellow			K25F-51Y-L3R	
				Blue			K25F-51B-L3R	
				Black	Both Auto		K25F-51K-L3LR	-
				Red			K25F-51R-L3LR	
				Green			K25F-51G-L3LR	
				Yellow			K25F-51Y-L3LR	
				Blue			K25F-51B-L3LR	

Product Selection

	Operator Type	Shape	Contact Form	Color	Selector Type	Operator Function	Part Number	Rated Voltage
	Knob Type Non-Illuminated Selector Switch (3 Position)	Ø30	2N/O	Black	Maintained		K30F-51K	-
				Red			K30F-51R	
				Green			K30F-51G	
				Yellow			K30F-51Y	
				Blue			K30F-51B	
				Black	Left Auto		K30F-51K-S3L	-
				Red			K30F-51R-S3L	
				Green			K30F-51G-S3L	
				Yellow			K30F-51Y-S3L	
				Blue			K30F-51B-S3L	
				Black	Right Auto		K30F-51K-S3R	-
				Red			K30F-51R-S3R	
				Green			K30F-51G-S3R	
				Yellow			K30F-51Y-S3R	
				Blue			K30F-51B-S3R	
				Black	Both Auto		K30F-51K-S3LR	-
				Red			K30F-51R-S3LR	
				Green			K30F-51G-S3LR	
				Yellow			K30F-51Y-S3LR	
				Blue			K30F-51B-S3LR	
	Lever Type Non-Illuminated Selector Switch (3 Position)	Ø30	2N/O	Black	Maintained		K30F-51K-L	-
				Red			K30F-51R-L	
				Green			K30F-51G-L	
				Yellow			K30F-51Y-L	
				Blue			K30F-51B-L	
				Black	Left Auto		K30F-51K-L3L	-
				Red			K30F-51R-L3L	
				Green			K30F-51G-L3L	
				Yellow			K30F-51Y-L3L	
				Blue			K30F-51B-L3L	
				Black	Right Auto		K30F-51K-L3R	-
				Red			K30F-51R-L3R	
				Green			K30F-51G-L3R	
				Yellow			K30F-51Y-L3R	
				Blue			K30F-51B-L3R	
				Black	Both Auto		K30F-51K-L3LR	-
				Red			K30F-51R-L3LR	
				Green			K30F-51G-L3LR	
				Yellow			K30F-51Y-L3LR	
				Blue			K30F-51B-L3LR	

Control Switch

K25F K30F Series - Flush Type

Product Selection

	Operator Type	Shape	Contact Form	Color	Selector Type	Operator Function	Part Number	Rated Voltage
	Illuminated Selector Switch (3 Position)	Ø25	2N/O	Red	Maintained		K25F-57R	12/24VDC 110VDC 110/220VAC
				Green			K25F-57G	
				Yellow			K25F-57Y	
				Blue			K25F-57B	
				White			K25F-57W	
				Red	Left Auto		K25F-57R-S3L	12/24VDC 110VDC 110/220VAC
				Green			K25F-57G-S3L	
				Yellow			K25F-57Y-S3L	
				Blue			K25F-57B-S3L	
				White			K25F-57W-S3L	
				Red	Right Auto		K25F-57R-S3R	12/24VDC 110VDC 110/220VAC
				Green			K25F-57G-S3R	
				Yellow			K25F-57Y-S3R	
				Blue			K25F-57B-S3R	
				White			K25F-57W-S3R	
				Red	Both Auto		K25F-57R-S3LR	12/24VDC 110VDC 110/220VAC
				Green			K25F-57G-S3LR	
				Yellow			K25F-57Y-S3LR	
				Blue			K25F-57B-S3LR	
				White			K25F-57W-S3LR	
		Ø30	2N/O	Red	Maintained		K30F-57R	12/24VDC 110VDC 110/220VAC
				Green			K30F-57G	
				Yellow			K30F-57Y	
				Blue			K30F-57B	
				White			K30F-57W	
				Red	Left Auto		K30F-57R-S3L	12/24VDC 110VDC 110/220VAC
				Green			K30F-57G-S3L	
				Yellow			K30F-57Y-S3L	
				Blue			K30F-57B-S3L	
				White			K30F-57W-S3L	
				Red	Right Auto		K30F-57R-S3R	12/24VDC 110VDC 110/220VAC
				Green			K30F-57G-S3R	
				Yellow			K30F-57Y-S3R	
				Blue			K30F-57B-S3R	
				White			K30F-57W-S3R	
				Red	Both Auto		K30F-57R-S3LR	12/24VDC 110VDC 110/220VAC
				Green			K30F-57G-S3LR	
				Yellow			K30F-57Y-S3LR	
				Blue			K30F-57B-S3LR	
				White			K30F-57W-S3LR	

Product Selection

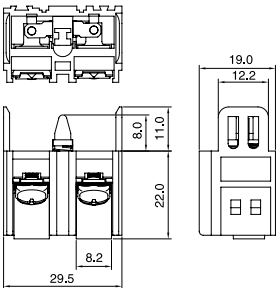
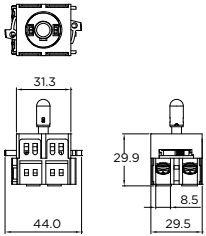
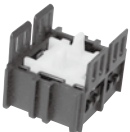
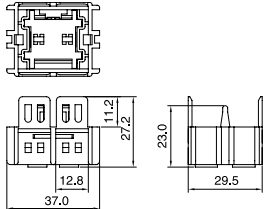
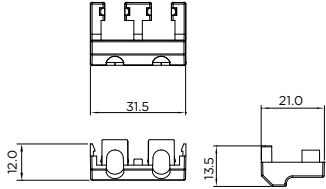
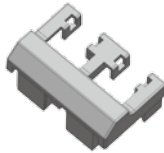
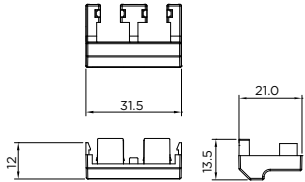
	Operator Type	Shape	Contact Form	Color	Part Number	Rated Voltage
	Non-Illuminated Key Switch (2 Position)	Ø30	1N/O	-	K30F-61K	-
			2N/O	-	K30F-71K	-
	Ø29 Non-Illuminated Mushroom Push Button Switch	Ø25	1N/C	Red	K25F-21R-N29	-
				Green	K25F-21G-N29	
				Yellow	K25F-21Y-N29	
	Ø30 Non-Illuminated Mushroom Push Button Switch	Ø30	1N/C	Red	K30F-21R-N29	-
				Green	K30F-21G-N29	
				Yellow	K30F-21Y-N29	
	Ø40 Non-Illuminated Mushroom Push Button Switch	Ø25	1N/C	Red	K25F-21R-N40	-
				Green	K25F-21G-N40	
				Yellow	K25F-21Y-N40	
	Ø30 Non-Illuminated Mushroom Push Button Switch	Ø30	1N/C	Red	K30F-21R-N40	-
				Green	K30F-21G-N40	
				Yellow	K30F-21Y-N40	
	Ø29 Illuminated LED Mushroom Push Button Switch	Ø25	1N/C	Red	K25F-27R-N29	12/24VDC 110VDC 110/220VAC
				Green	K25F-27G-N29	
				Yellow	K25F-27Y-N29	
	Ø30 Illuminated LED Mushroom Push Button Switch	Ø30	1N/C	Red	K30F-27R-N29	12/24VDC 110VDC 110/220VAC
				Green	K30F-27G-N29	
				Yellow	K30F-27Y-N29	
	Ø40 Illuminated LED Mushroom Push Button Switch	Ø25	1N/C	Red	K25F-27R-N40	12/24VDC 110VDC 110/220VAC
				Green	K25F-27G-N40	
				Yellow	K25F-27Y-N40	
	Ø30 Illuminated LED Mushroom Push Button Switch	Ø30	1N/C	Red	K30F-27R-N40	12/24VDC 110VDC 110/220VAC
				Green	K30F-27G-N40	
				Yellow	K30F-27Y-N40	
	Illuminated Buzzer	Ø25	-		K25F-BZ	90VAC - 220VAC 12VDC - 24VDC
		Ø30	-		K30F-BZ	90VAC - 220VAC 12VDC - 24VDC

Control Switch

K25F K30F Series - Flush Type

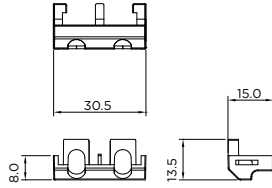
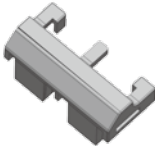
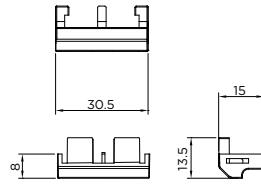
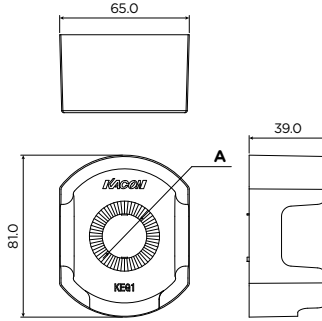
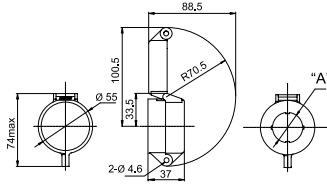
Accessory

Unit : mm

	Operator Type	Contact	Part Number	Rated Voltage	Dimension
	1NO Contact		CBA	-	
	1NC Contact	 AC15 DC13 ※ Positive opening type	CBB	-	
	LED Trans	X1—(X)—X2	KT-Ⓐ	12/24VDC 110VDC 110/220VAC	
	Maintain Holder		KAL	-	
	Terminal cover with hole		KP-10	-	
	Terminal cover without hole		KP-11	-	

Accessory

Unit : mm

	Operator Type	Shape	Part Number	Dimension							
	Power terminal cover with hole		KP-20								
	Power terminal cover without hole		KP-21								
	Protection Cover	Ø25	KEG15Ⓐ		<table><tr><td>model</td><td>KEG15</td><td>KEG13</td></tr><tr><td>A</td><td>Ø25</td><td>Ø30</td></tr></table> Ⓐ - Color : Yellow Red Orange Green Amber White	model	KEG15	KEG13	A	Ø25	Ø30
model	KEG15	KEG13									
A	Ø25	Ø30									
		Ø30	KEG13Ⓐ								
	Protection Cover	Ø25	KEG35Ⓐ		<table><tr><td>model</td><td>KEG35</td><td>KEG33</td></tr><tr><td>A</td><td>Ø25</td><td>Ø30</td></tr></table> Ⓐ - Color : Yellow Red Green White Blue Black Clear	model	KEG35	KEG33	A	Ø25	Ø30
model	KEG35	KEG33									
A	Ø25	Ø30									
		Ø30	KEG33Ⓐ								
	Protection Cover	Ø25	T25-C								
		Ø30	T30-C								

Control Switch

K25F K30F Series - Flush Type

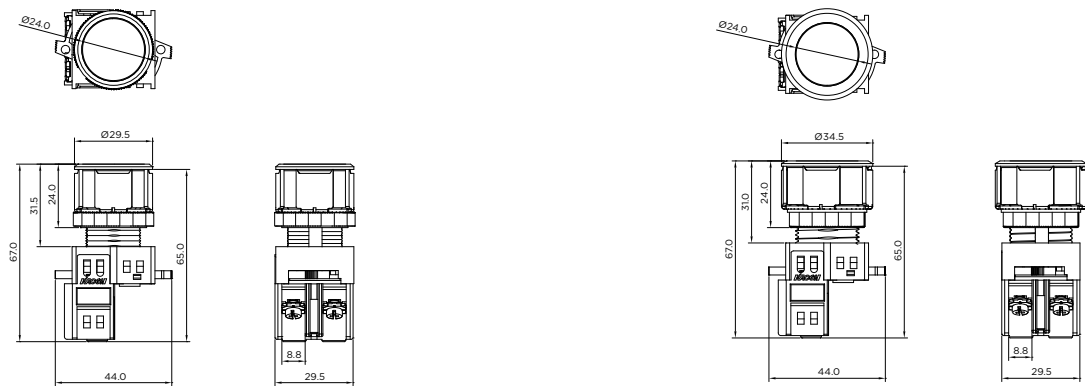
Dimension

Unit : mm

K25F	K30F
Pilot Light	



Momentary Non-Illuminated Push Button Switch



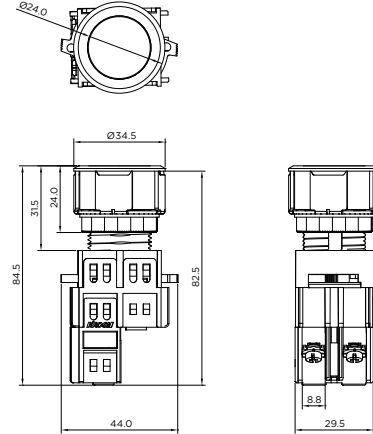
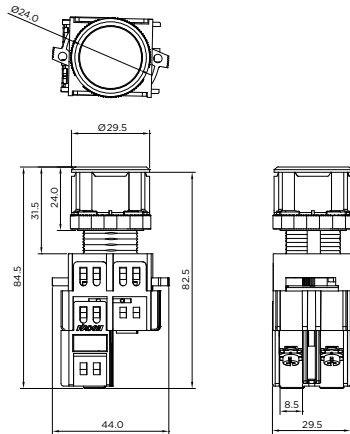
Dimension

Unit : mm

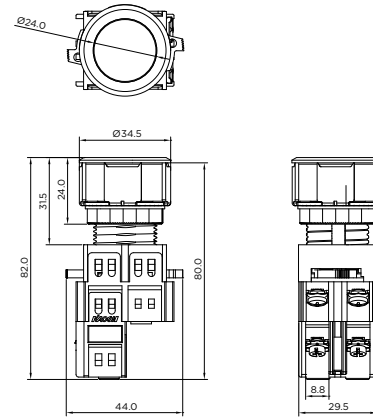
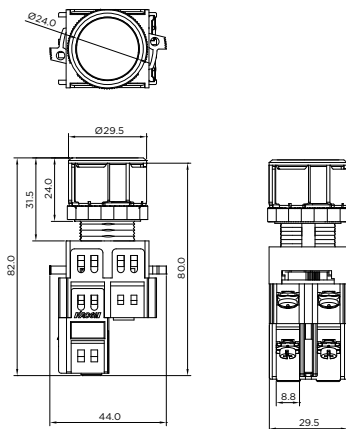
K25F

K30F

Maintained Non-Illuminated Push Button Switch



Momentary Illuminated Push Button Switch



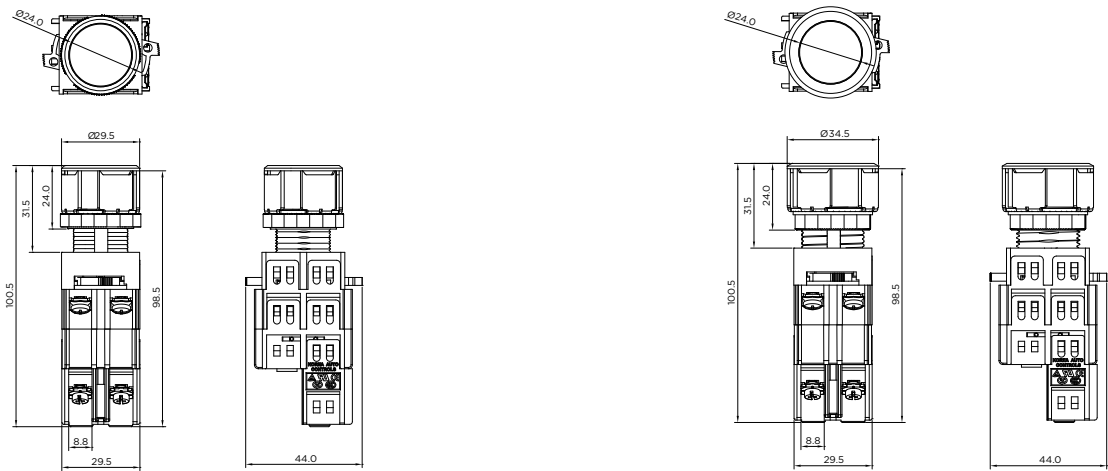
Control Switch

K25F K30F Series - Flush Type

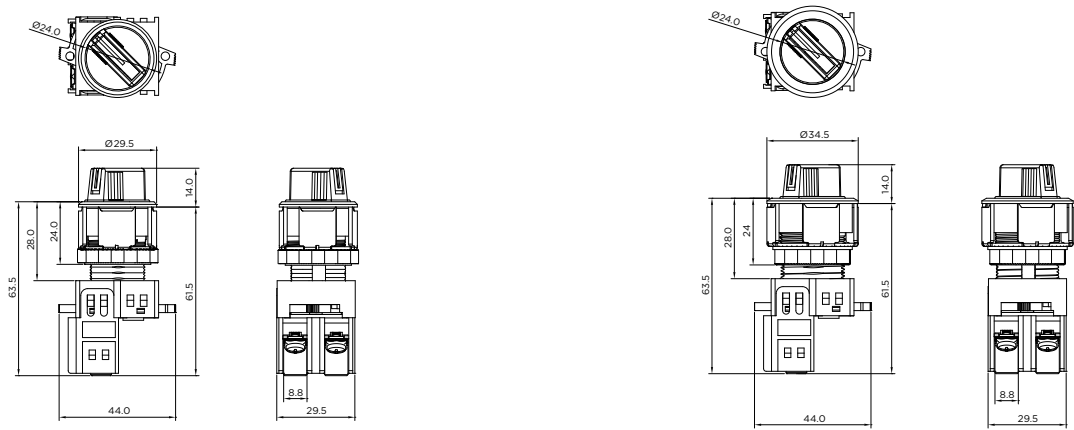
Dimension

Unit : mm

K25F	K30F
Maintained Illuminated Push Button Switch	



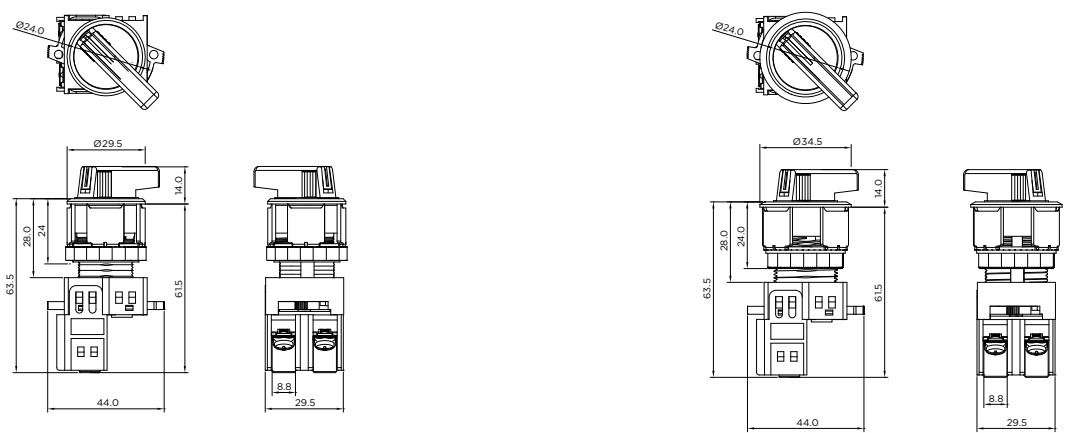
Selector



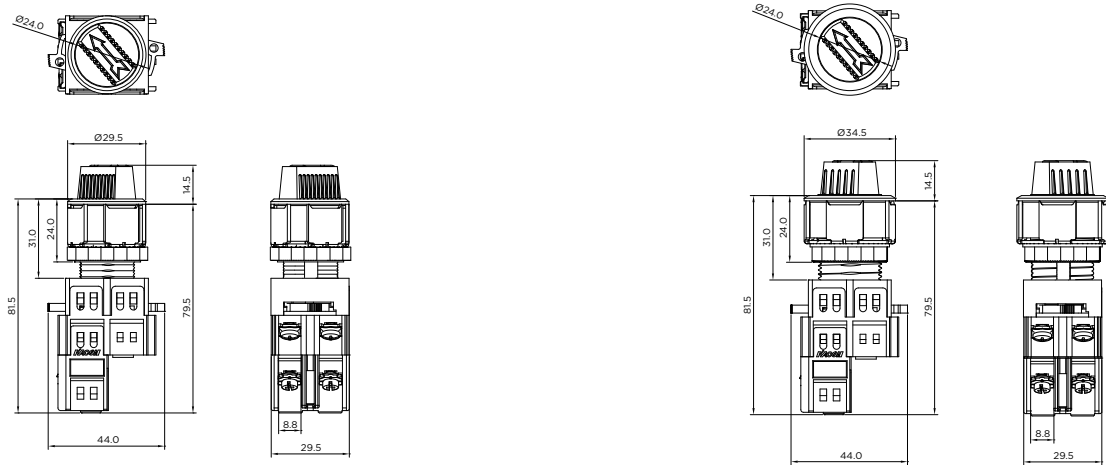
Dimension

Unit : mm

K25F	K30F
Lever Type Selector	



Illuminated Selector



Human-Machine
Interface

Control Switch

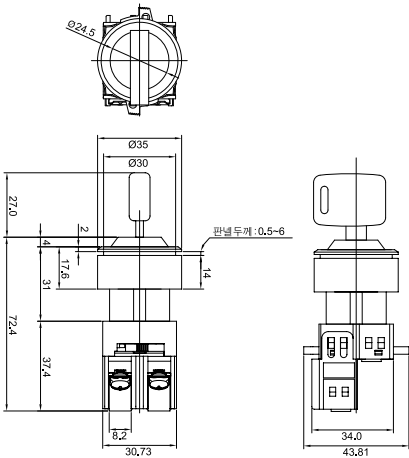
K25F K30F Series - Flush Type

Dimension

Unit : mm

K30F

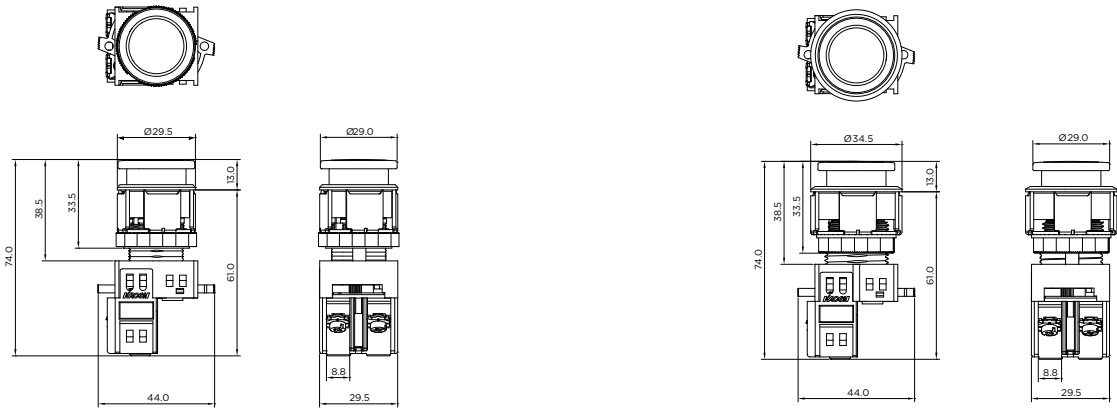
KEY



K25F

K30F

Ø29 Non-Illuminated Mushroom Push Button Switch



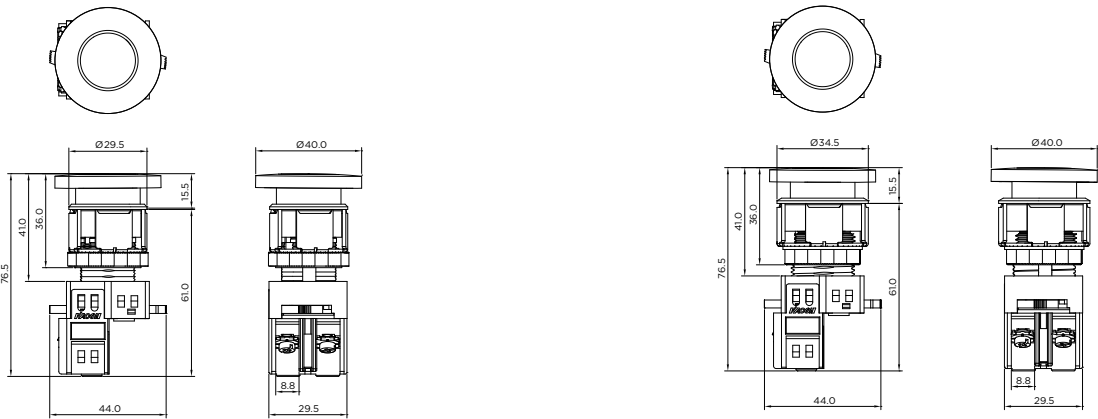
Dimension

Unit : mm

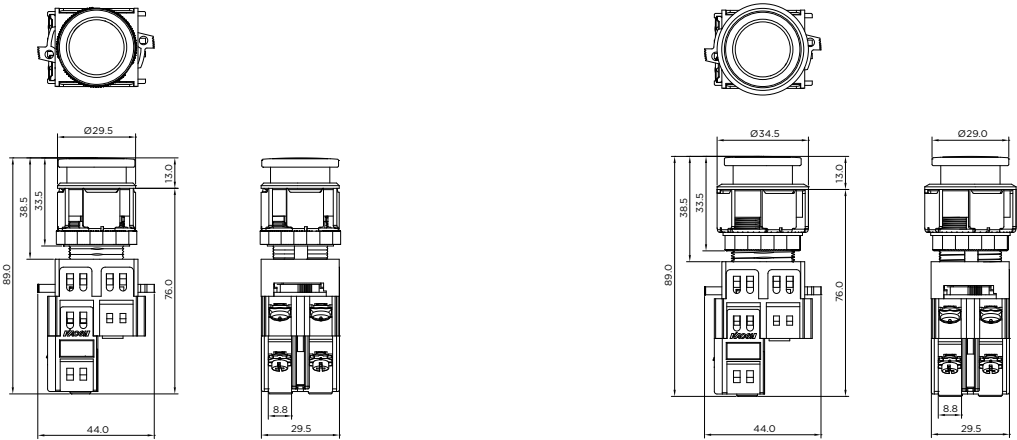
K25F

K30F

Ø40 Non-Illuminated Mushroom Push Button Switch



Ø29 Illuminated Mushroom Push Button Switch



Control Switch

K25F K30F Series - Flush Type

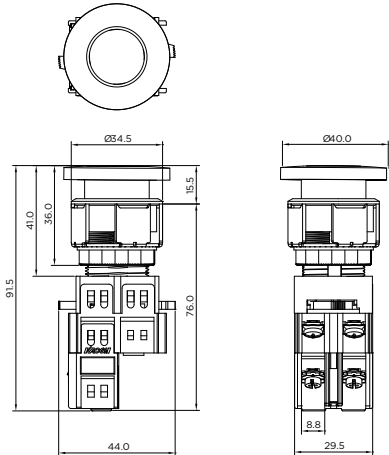
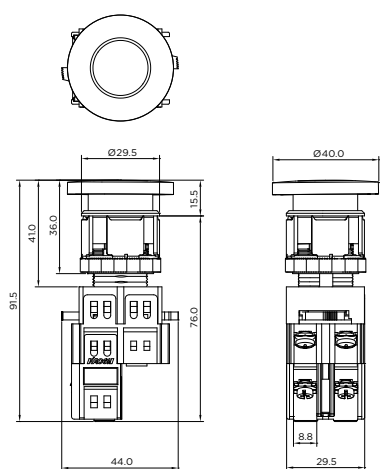
Dimension

Unit : mm

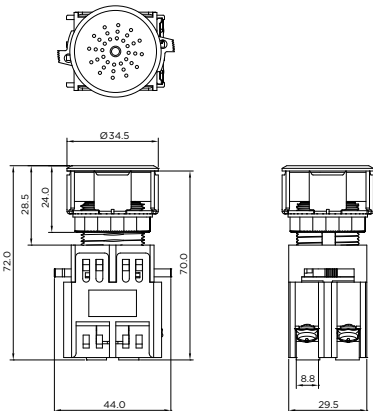
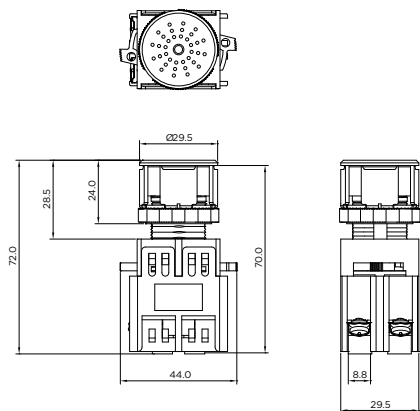
K25F

K30F

Ø40 Illuminated Mushroom Push Button Switch

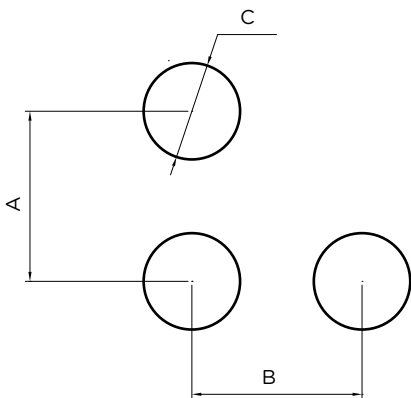


Illuminated Buzzer



Panel Cut-Out & Panel Mounting Dimension

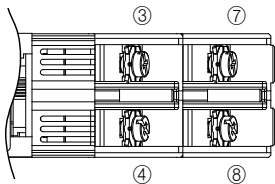
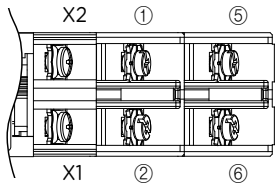
Panel Thickness : 0.5-4mm



Model	A	B	C
K25F	45	45	25.5
K30F	45	45	30.5
With Terminal cover	50	45	K25F-25.5 K30F-30.5

Contact block terminal configuration and diagram

Contact block terminal configuration



Contact block terminal diagram

	1NO	1NC	2NO	2NC	1NO+1NC	2NO+2NC
Non-Illuminated						
Illuminated						