

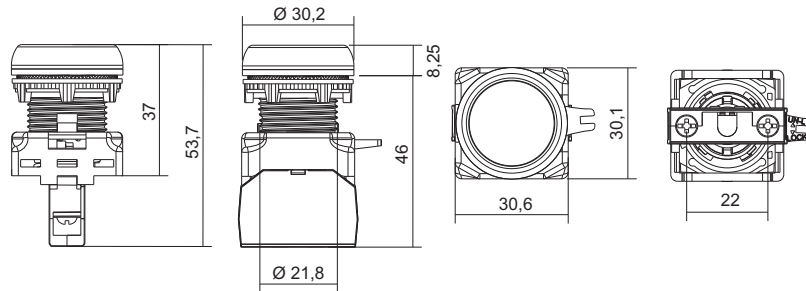
Compact and Safe GEN NEXT MODULAR PUSH BUTTONS


- Unique & Compact design.
- Available in Illuminated/Non-Illuminated.
- Snap mounting with compact contact blocks (EC1C & EC2C).
- Stackable design for Contact Block.
- Electrical life more than 0.5 million and mechanical life more than 1.0 million.
- SMD LED technology for illuminated push button.
- Inbuilt LVGP (Low Voltage Glow Protection)
- Passes surge test 2kV & HV test of 1.5kV.
- IP 20 terminal protection & IP 65.





Gen Next Modular Push Button-Illuminated


Flush Head Actuator





Colour	Voltage	Part No.
	12V AC/DC	EG03FDLR012C
	24V AC/DC	EG03FDLR024C
	30V AC/DC	EG03FDLR030C
	48V AC/DC	EG03FDLR048C
	64V AC/DC	EG03FDLR064C
	110V AC	EG03FDLR110A
	110V DC	EG03FDLR110D
	240V AC	EG03FDLR240A
	220V DC	EG03FDLR220D

Colour	Voltage	Part No.
	12V AC/DC	EG03FDLY012C
	24V AC/DC	EG03FDLY024C
	30V AC/DC	EG03FDLY030C
	48V AC/DC	EG03FDLY048C
	64V AC/DC	EG03FDLY064C
	110V AC	EG03FDLY110A
	110V DC	EG03FDLY110D
	240V AC	EG03FDLY240A
	220V DC	EG03FDLY220D

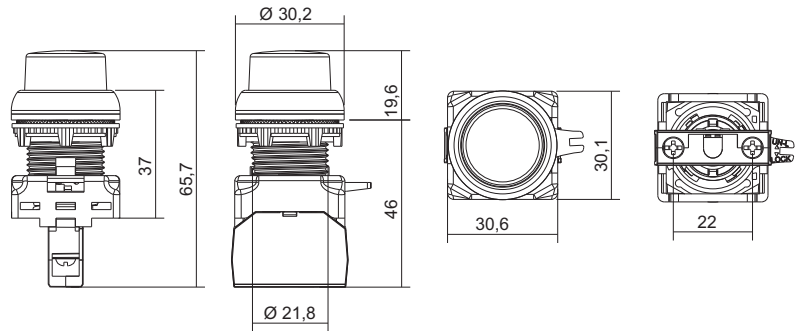
Colour	Voltage	Part No.
	12V AC/DC	EG03FDLG012C
	24V AC/DC	EG03FDLG024C
	30V AC/DC	EG03FDLG030C
	48V AC/DC	EG03FDLG048C
	64V AC/DC	EG03FDLG064C
	110V AC	EG03FDLG110A
	110V DC	EG03FDLG110D
	240V AC	EG03FDLG240A
	220V DC	EG03FDLG220D


Colour	Voltage	Part No.
	12V AC/DC	EG03FDLA012C
	24V AC/DC	EG03FDLA024C
	30V AC/DC	EG03FDLA030C
	48V AC/DC	EG03FDLA048C
	64V AC/DC	EG03FDLA064C
	110V AC	EG03FDLA110A
	110V DC	EG03FDLA110D
	240V AC	EG03FDLA240A
	220V DC	EG03FDLA220D


Colour	Voltage	Part No.
	12V AC/DC	EG03FDLB012C
	24V AC/DC	EG03FDLB024C
	30V AC/DC	EG03FDLB030C
	48V AC/DC	EG03FDLB048C
	64V AC/DC	EG03FDLB064C
	110V AC	EG03FDLB110A
	110V DC	EG03FDLB110D
	240V AC	EG03FDLB240A
	220V DC	EG03FDLB220D


Colour	Voltage	Part No.
	12V AC/DC	EG03FDLW012C
	24V AC/DC	EG03FDLW024C
	30V AC/DC	EG03FDLW030C
	48V AC/DC	EG03FDLW048C
	64V AC/DC	EG03FDLW064C
	110V AC	EG03FDLW110A
	110V DC	EG03FDLW110D
	240V AC	EG03FDLW240A
	220V DC	EG03FDLW220D


Projecting Head Push Function Actuator





Colour	Voltage	Part No.
	12V AC/DC	EG03PDLR012C
	24V AC/DC	EG03PDLR024C
	30V AC/DC	EG03PDLR030C
	48V AC/DC	EG03PDLR048C
	64V AC/DC	EG03PDLR064C
	110V AC	EG03PDLR110A
	110V DC	EG03PDLR110D
	240V AC	EG03PDLR240A
	220V DC	EG03PDLR220D

Colour	Voltage	Part No.
	12V AC/DC	EG03PDLY012C
	24V AC/DC	EG03PDLY024C
	30V AC/DC	EG03PDLY030C
	48V AC/DC	EG03PDLY048C
	64V AC/DC	EG03PDLY064C
	110V AC	EG03PDLY110A
	110V DC	EG03PDLY110D
	240V AC	EG03PDLY240A
	220V DC	EG03PDLY220D

Colour	Voltage	Part No.
	12V AC/DC	EG03PDLG012C
	24V AC/DC	EG03PDLG024C
	30V AC/DC	EG03PDLG030C
	48V AC/DC	EG03PDLG048C
	64V AC/DC	EG03PDLG064C
	110V AC	EG03PDLG110A
	110V DC	EG03PDLG110D
	240V AC	EG03PDLG240A
	220V DC	EG03PDLG220D

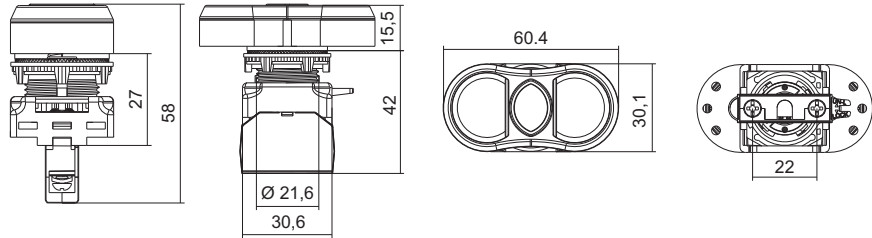
Colour	Voltage	Part No.
	12V AC/DC	EG03PDLA012C
	24V AC/DC	EG03PDLA024C
	30V AC/DC	EG03PDLA030C
	48V AC/DC	EG03PDLA048C
	64V AC/DC	EG03PDLA064C
	110V AC	EG03PDLA110A
	110V DC	EG03PDLA110D
	240V AC	EG03PDLA240A
	220V DC	EG03PDLA220D

Colour	Voltage	Part No.
	12V AC/DC	EG03PDLB012C
	24V AC/DC	EG03PDLB024C
	30V AC/DC	EG03PDLB030C
	48V AC/DC	EG03PDLB048C
	64V AC/DC	EG03PDLB064C
	110V AC	EG03PDLB110A
	110V DC	EG03PDLB110D
	240V AC	EG03PDLB240A
	220V DC	EG03PDLB220D

Colour	Voltage	Part No.
	12V AC/DC	EG03PDLW012C
	24V AC/DC	EG03PDLW024C
	30V AC/DC	EG03PDLW030C
	48V AC/DC	EG03PDLW048C
	64V AC/DC	EG03PDLW064C
	110V AC	EG03PDLW110A
	110V DC	EG03PDLW110D
	240V AC	EG03PDLW240A
	220V DC	EG03PDLW220D

All dimensions are in mm

Twin-Touch Actuator

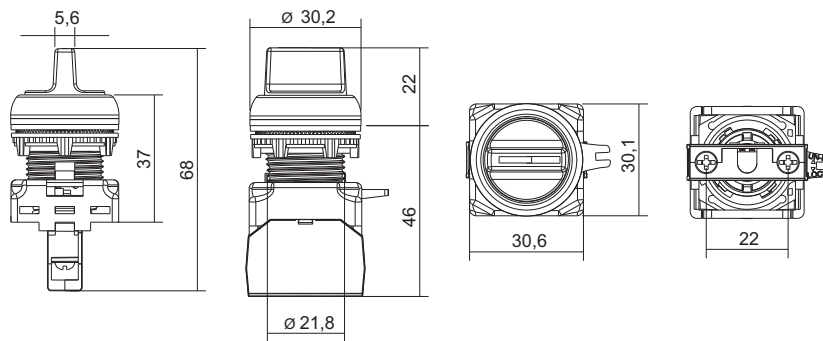


Colour	Voltage	Part No.
●	12V AC/DC	EG03TDLY012C
	24V AC/DC	EG03TDLY024C
	30V AC/DC	EG03TDLY030C
	48V AC/DC	EG03TDLY048C
	64V AC/DC	EG03TDLY064C
	110V AC	EG03TDLY110A
	110V DC	EG03TDLY110D
	240V AC	EG03TDLY240A
	220V DC	EG03TDLY220D

Colour	Voltage	Part No.
○	12V AC/DC	EG03TDLC012C
	24V AC/DC	EG03TDLC024C
	30V AC/DC	EG03TDLC030C
	48V AC/DC	EG03TDLC048C
	64V AC/DC	EG03TDLC064C
	110V AC	EG03TDLC110A
	110V DC	EG03TDLC110D
	240V AC	EG03TDLC240A
	220V DC	EG03TDLC220D

Colour	Voltage	Part No.
●	12V AC/DC	EG03TDLA012C
	24V AC/DC	EG03TDLA024C
	30V AC/DC	EG03TDLA030C
	48V AC/DC	EG03TDLA048C
	64V AC/DC	EG03TDLA064C
	110V AC	EG03TDLA110A
	110V DC	EG03TDLA110D
	240V AC	EG03TDLA240A
	220V DC	EG03TDLA220D

Selector Actuator



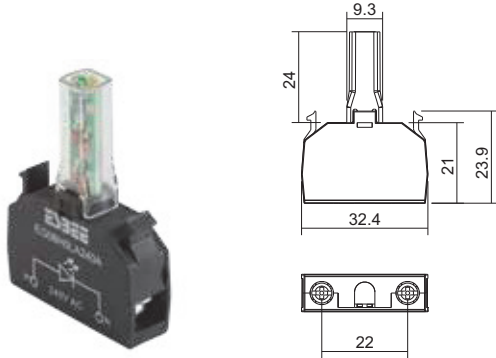
Colour	Voltage	Part No. 2 Position	
		Non-Spring Return	Spring Return
●	24V AC/DC	EG03SKLR024C	EG03SILR024C
	240V AC	EG03SKLR240A	EG03SILR240A
●	24V AC/DC	EG03SKLG024C	EG03SILG024C
	240V AC	EG03SKLG240A	EG03SILG240A

Colour	Voltage	Part No. 3 Position	
		Non-Spring Return	Spring Return
●	24V AC/DC	EG03SLLR024C	EG03SJLR024C
	240V AC	EG03SLLR240A	EG03SJLR240A
●	24V AC/DC	EG03SLLG024C	EG03SJLG024C
	240V AC	EG03SLLG240A	EG03SJLG240A

Note : *Led holder is a part of Illuminated Push Buttons . Please order Contact Block EC1C and EC2C separate.
 *For different Colours and voltages please be in touch with our sales team.

All dimensions are in mm

LED Holder



Colour	Voltage	Part No.
●	12V AC/DC	EG08H0LR012C
	24V AC/DC	EG08H0LR024C
	30V AC/DC	EG08H0LR030C
	48V AC/DC	EG08H0LR048C
	64V AC/DC	EG08H0LR064C
	110V AC	EG08H0LR110A
	110V DC	EG08H0LR110D
	240V AC	EG08H0LR240A
	220V DC	EG08H0LR220D

Colour	Voltage	Part No.
●	12V AC/DC	EG08H0LB012C
	24V AC/DC	EG08H0LB024C
	30V AC/DC	EG08H0LB030C
	48V AC/DC	EG08H0LB048C
	64V AC/DC	EG08H0LB064C
	110V AC	EG08H0LB110A
	110V DC	EG08H0LB110D
	240V AC	EG08H0LB240A
	220V DC	EG08H0LB220D

Colour	Voltage	Part No.
●	12V AC/DC	EG08H0LA012C
	24V AC/DC	EG08H0LA024C
	30V AC/DC	EG08H0LA030C
	48V AC/DC	EG08H0LA048C
	64V AC/DC	EG08H0LA064C
	110V AC	EG08H0LA110A
	110V DC	EG08H0LA110D
	240V AC	EG08H0LA240A
	220V DC	EG08H0LA220D

Colour	Voltage	Part No.
●	12V AC/DC	EG08H0LG012C
	24V AC/DC	EG08H0LG024C
	30V AC/DC	EG08H0LG030C
	48V AC/DC	EG08H0LG048C
	64V AC/DC	EG08H0LG064C
	110V AC	EG08H0LG110A
	110V DC	EG08H0LG110D
	240V AC	EG08H0LG240A
	220V DC	EG08H0LG220D

Colour	Voltage	Part No.
●	12V AC/DC	EG08H0LY012C
	24V AC/DC	EG08H0LY024C
	30V AC/DC	EG08H0LY030C
	48V AC/DC	EG08H0LY048C
	64V AC/DC	EG08H0LY064C
	110V AC	EG08H0LY110A
	110V DC	EG08H0LY110D
	240V AC	EG08H0LY240A
	220V DC	EG08H0LY220D

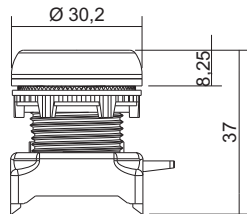
Colour	Voltage	Part No.
●	12V AC/DC	EG08H0LW012C
	24V AC/DC	EG08H0LW024C
	30V AC/DC	EG08H0LW030C
	48V AC/DC	EG08H0LW048C
	64V AC/DC	EG08H0LW064C
	110V AC	EG08H0LW110A
	110V DC	EG08H0LW110D
	240V AC	EG08H0LW240A
	220V DC	EG08H0LW220D

Technical Specifications

Product	Gen Next LED Actuators
Rated Voltage	12 V AC/DC, 24 V AC/DC, 30 V AC/DC, 48 V AC/DC, 64 V AC/DC, 110 V AC, 110 V DC 240 V AC, 220V DC
Operating Voltage	-20% to +10% of rated voltage
Type of LED	Side View SMD LED's
Available Colours	Red/Green/Yellow/Amber/Blue/White
Life	0.1 million burning hour
Operating Frequency	50 / 60 Hz
Operating Temperature	-25°C to 65°C
Storage Temperature	-30°C to 70°C
Wire Termination Capacity	0.5mm ² , 1.5 - 2.5 mm ²
Terminal Torque	0.8 Nm
LVGP	Available
Surge Test	2KV
HV test for 60 sec.	1.5KV
Degree of Protection	Above panel : IP65 For terminals : IP20
International Approvals	CE

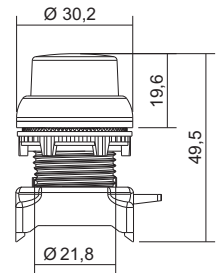
Gen Next Modular Push Button- Non Illuminated

Flush Head Actuator



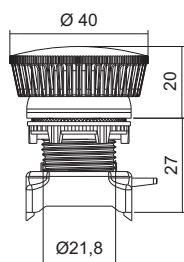
Colour	Part No.
●	EMNRFD1
●	EMNGFD1
●	EMNBFD1
●	EMNYFD1
●	EMNAFD1
●	EMNWFD1
●	EMNCFD1

Projecting Head Push Function Actuator



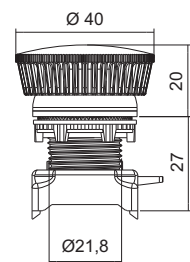
Colour	Part No.
●	EMNRPD1
●	EMNGPD1
●	EMNBPD1
●	EMNYPD1
●	EMNAPD1
●	EMNWPD1
●	EMNCPD1

Mushroom Head Push - Turn Actuator



Colour	Part No.
●	EMNRMH1
●	EMNGMH1
●	EMNYMH1
●	EMNCMH1

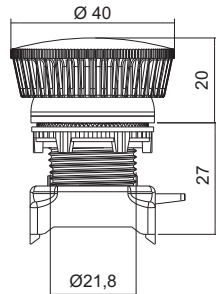
Mushroom Head Push - Function Actuator



Colour	Part No.
●	EMNRMD1
●	EMNGMD1
●	EMNYMD1
●	EMNCMD1

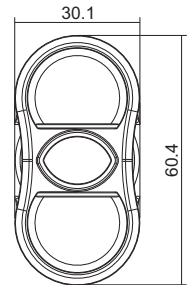
All dimensions are in mm

Mushroom Head Push- Pull Actuator



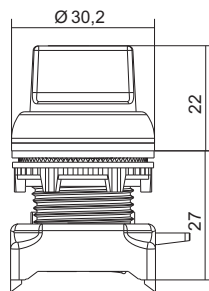
Colour	Part No.
●	EG02MG0R

Twin-Touch Actuator



Colour	Part No.
●	EG02TD0I

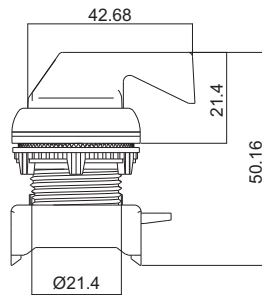
Selector Actuator



Colour	Part No. 2 Position			
	Non-Spring Return 30°	Non-Spring Return 45°	Non-Spring Return 90°	Spring Return 30°
●	EMNRSK1	EMNRSR1	EMNRST1	EMNRSI1
●	EMNGSK1	EMNGSR1	EMNGST1	EMNGSI1
●	EMNWSK1	EMNWSR1	EMNWST1	EMNWSI1
●	EMNCSK1	EMNCSR1	EMNCST1	EMNCI1

Colour	Part No. 3 Position			
	Non-Spring Return 30°	Spring Return 30°	Spring Return Left Hand	Spring Return Right Hand
●	EMNRSL1	EMNRSJ1	EMNRSM1	EMNRSN1
●	EMNGSL1	EMNGSJ1	EMNGSM1	EMNGSN1
●	EMNWSL1	EMNWSJ1	EMNWSM1	EMNWSN1
●	EMNCSL1	EMNCSJ1	EMNCM1	EMNCSN1

Lever Head Actuator

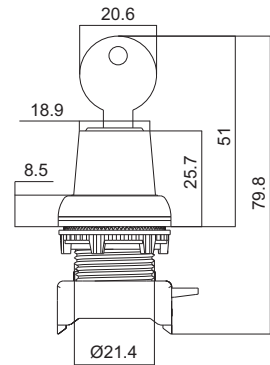


Colour	Part No. 2 Position			
	Non-Spring Return 30°	Non-Spring Return 45°	Non-Spring Return 90°	Spring Return 30°
●	EMNCLK1	EMNCLR1	EMNCLT1	EMNCLI1

Colour	Part No. 3 Position			
	Non-Spring Return 30°	Spring Return 30°	Spring Return Left Hand	Spring Return Right Hand
●	EMNCLK1	EMNCLJ1	EMNCLM1	EMNCLN1

All dimensions are in mm

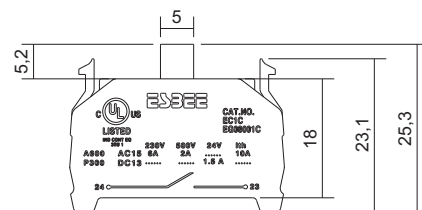
Lock & Key Rotary Actuator



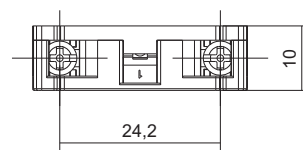
Colour	Part No. 2 Position			
	Non-Spring Return 30°	Non-Spring Return 45°	Non-Spring Return 90°	Spring Return 30°
●	EMNCKK1	EMNCKR1	EMNCKT1	EMNCKI1

Colour	Part No. 3 Position			
	Non-Spring Return	Spring Return	Spring Return Left Hand	Spring Return Right Hand
●	EMNRKL1	EMNRKJ1	EMNRKM1	EMNRKN1

Gen Next Contact Blocks



Colour	Contact	Part No.
●	NO	EC1C
●	NC	EC2C



Note : *Gen Next Contact Block (EC1C & EC2C) & LED Holder (EG08,...) can be used or assembled only with Gen Next Actuators.

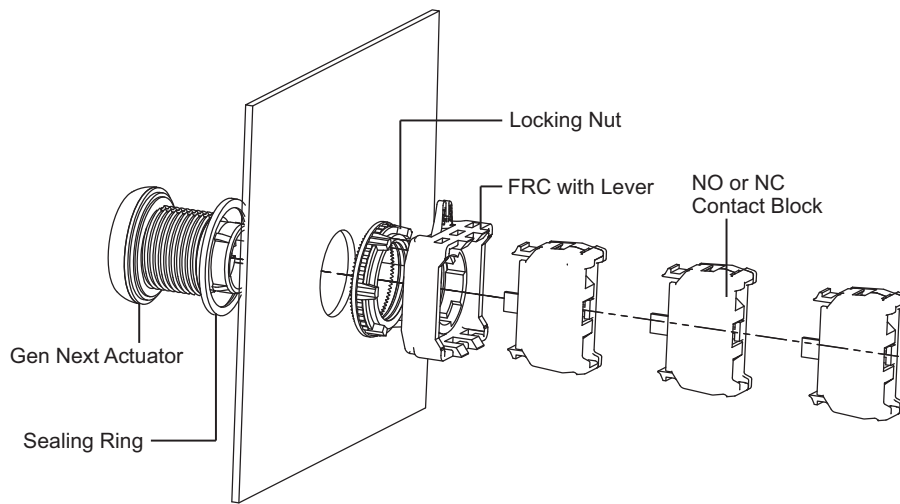
Technical Specifications

Utilization Category	Supply	IEC - 60947-5-1	UL-508	ITH/Thermal Current
	AC	AC-15	A600	10A
	DC	DC-13	P300	
Contact	NO and NC			
Rated Voltage	230V AC	120V AC	24V DC	
Rated Current	6A	6A	1.5A	
Frequency	50 - 60 Hz			
Electrical Life for Contact	0.5 million Cycle			
HV Test for 60 Sec	2.5KV (All Terminals Shorted Together)			
Rated insulation Voltage	600 VAC			
Terminals	Suitable for flexible or solid conductors from 2x1 mm ² to 2x2.5 mm ²			
Current Carrying Material	Brass			
Contact Type	Make & Break			
Contact Material	AgNi			
Insulation Resistance at 500 VDC	50 M Ω			
Operating Torque	0.8 Nm			
Contact Resistance	20 M Ω			
MV drop at 16 A DC	200 MV			
Type	Non Illuminated / Illuminated			
Function	Push, Push - Push, Push turn, Selector			
Colour	Red / Green / Black / Yellow / White / Blue / Orange			
Disposition of Contact	<div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p><input type="checkbox"/> Contact Open</p> <p><input checked="" type="checkbox"/> Contact Close</p> </div> </div>			

Environmental Rating	
Operating Temperature	-25°C to 65°C
Storage Temperature	-30°C to 70°C
IP Rating	IP65 above panel (As per IEC/EN -60529) & IP20 for Terminals NEMA 1,2,3,4,4X class 12 & 13
RoHS Compliance	Yes
Mechanical Life for Actuators	
Momentary (Push Button with Push Function)	1 million Operation
Emergency Stop (Turn to Release)	0.1 million Operation
Emergency Stop (Push Pull Type)	0.5 million Operation
Selector	0.5 million Operation

All dimensions are in mm

Exploded View of Gen Next Modular Actuator



UL Correlation sheet for Gen Next Modular Actuator

Flush Head	
Esbee CAT NO.	UL CAT NO.
EMNRF1	EG02FD0R00
EMNGF1	EG02FD0G00
EMNYF1	EG02FD0Y00
EMNCF1	EG02FD0C00
EMNBF1	EG02FD0B00
EMNWF1	EG02FD0W00
EMNAF1	EG02FD0A00

Projecting Head Push Function	
Esbee CAT NO.	UL CAT NO.
EMNRP1	EG02PD0R00
EMNGP1	EG02PD0G00
EMNYP1	EG02PD0Y00
EMNCP1	EG02PD0C00
EMNBPD1	EG02PD0R00
EMNWP1	EG02PD0R00
EMNAP1	EG02PD0R00

Lock & Key 2 Position	
Esbee CAT NO.	UL CAT NO.
EMNCK1	EG02KK0C00
EMNCKR1	EG02KR0C00
EMNCKT1	EG02KT0C00
EMNCKL1	EG02KL0C00
EMNCKI1	EG02KI0C00
EMNCKJ1	EG02KJ0C00

Symetric Head	
Esbee CAT NO.	UL CAT NO.
EMNCSK1	EG02SK0C00
EMNCSR1	EG02SR0C00
EMNCST1	EG02ST0C00
EMNCSL1	EG02SL0C00
EMNCSI1	EG02SI0C00
EMNCSJ1	EG02SJ0C00

Lever Head	
Esbee CAT NO.	UL CAT NO.
EMNCLK1	EG02LK0C00
EMNCLR1	EG02LR0C00
EMNCLT1	EG02LT0C00
EMNCLL1	EG02LL0C00
EMNCLI1	EG02LI0C00
EMNCLJ1	EG02LJ0C00

Contact Blocks	
Esbee CAT NO.	UL CAT NO.
EC1C	EG08001C
EC2C	EG08002C

Mushroom Head Push Turn	
Esbee CAT NO.	UL CAT NO.
EMNRMH1	EG02MH0R00
EMNGMH1	EG02MH0G00
EMNYMH1	EG02MH0Y00
EMNCMH1	EG02MH0C00

Mushroom Head Push Function	
Esbee CAT NO.	UL CAT NO.
EMNRMD1	EG02MD0R00
EMNGMD1	EG02MD0G00
EMNYMD1	EG02MD0Y00
EMNCMD1	EG02MD0C00