



INNOVATIVE

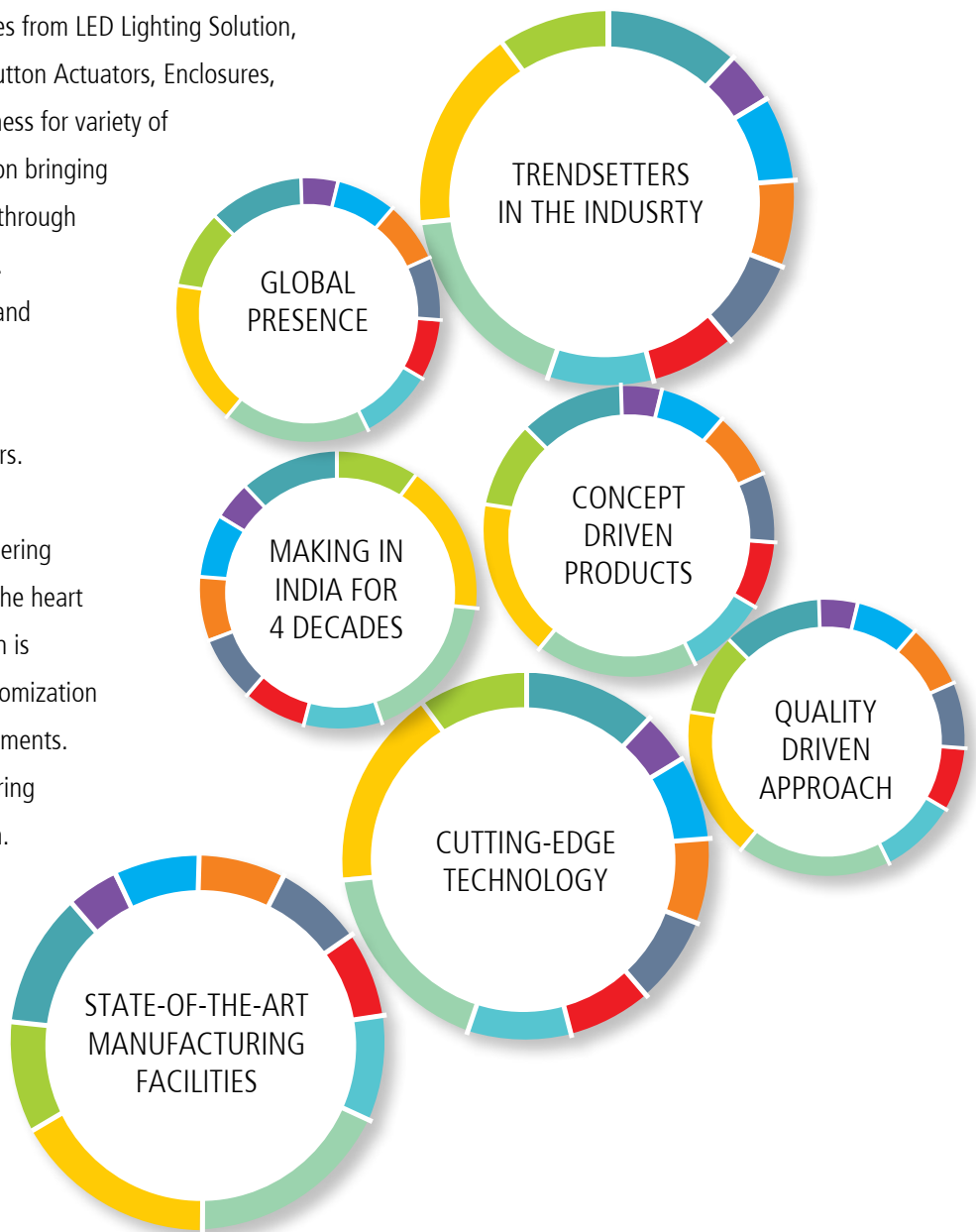
At the core.

INNOVATING

India since 1974

Esbee is an ISO 9001:2015 certified company engaged in manufacturing and developing products catering to the needs of general engineering and white goods industry since 1974. Our extensive product portfolio ranges from LED Lighting Solution, Signaling unit, Industrial Push Button Actuators, Enclosures, Switches, Sockets and Wire Harness for variety of applications. We strongly focus on bringing tangible value to our customers through quality, service, and cost control. Along with Indian certifications and approvals, we hold various international approvals such as IEC,UL,TUV,CE,CSA among others.

Innovation is the heart of engineering and we at ESBE strive to keep the heart beating. Every product we design is crafted with innovation and customization according to the customer requirements. Excellent designing and engineering capabilities are our core strength. Furthermore, perfect blend of state of the art infrastructure and dedicated workforce are our major strengths. All these factors facilitate us in making outstanding products to suit the needs of various markets.



Our Journey

1974

Started with trading activities in a small premises



1982

Manufactured Sync Motors as first product



1983

Establishment of our first plant of 10,000 sq.ft. in Pune



1988

First product enhancement with Push Button manufacturing



2001



Launched TeeKay Series



1998

First delivery of appliance switches



1997

Entered into technical Collaboration with EMB Corporation, U.S.A for appliance switches



1996

Commencement of manufacturing for Industrial HRC Fuses for L&T



1991

Execution of our first export order



2009

Introduction of Gen Next Series for indicators & push button range



2011



Establishment of our second plant of 20,000 sq. ft. in Ahmednagar.



2012

Esbee Industrial Combines converted to Esbee Electrotech LLP



2014



Establishment of the third plant of 40,000 sq. ft. in Pune



Assembly Line



EMS setup



Soldering Unit

Infrastructure

ESBEE is well equipped with three state of the art manufacturing plants. Our 3 plants are located at strategic locations. Out of which 2 are in Pune and 1 in Ahmednagar, which assist in better geographical reach, and efficient supply chain management. All the manufacturing facilities have strong assembly for electro-mechanical, mechanical, electrical and

electronic assemblies. Recently established our Plant in Pune (HQ) consisting of advanced machines which include stencil printer, Juki make - pick & place machine and seven zones reflow oven as per the industry standards.

The assembly lines are well laid out with ample lighting. To offer flexibility in manufacturing and for better



Reflow



Raw Material



Logistics

ergonomics, we have installed a bus bar trunking system. The company is also equipped with well storage system. It helps in optimum utilisation of space and allocation of resources.

In today's competitive world research and development is a key element to deliver quality and performance. To accomplish the same we are equipped with a young and energetic Research and Development team with diverse

experience. The team is completely congruent with our requirements goals resulting into perfect visualization and incorporation of features benefitting our customers in terms of aesthetics, quality, performance and cost. Human safety is a prominent element in our product designing process. All the products designed to fulfill international industry standards like UL and IEC. We use all the advanced design software's like Solid edge - ST8, NX-10.0 and Orcad.



Ultrasonic Welding



Research and development



Testing Facility

We have a well-equipped testing laboratory to perform different electrical and mechanical endurance tests as per different global as well as Indian electrical standards (IEC & UL). The lab has equipment to check plastic flammability, plating thickness testers and bursting strength checker for packing materials.

To perform different electrical test suitable power sources, load bank and temp rise testers are provided .

Different test are carried out at appropriate product life cycle for assured performance. The results are well documented and preserved for future references.



Leadership

Strong and determined leadership are the pillars behind our success. The foundation of the company was led by the Chordiya family. The founders shared common passion to provide excellent quality products with superior technology and innovation. Today with unstoppable spirit of next generation, **ESBEE** is flourishing with excellent pace. The second generation entrepreneurs are continuously striving hard for growth of the company. The driving force behind the young leaders is the vision from the seniors. This helps them in striking a perfect balance with latest technology and core principles such as ethical practices relationship building, commitment and excellence.

People

At **ESBEE** we believe that people are our most valued asset. The management works hard to create an environment where the talent of our individual member is recognized and appreciated. To achieve the same we implement the best HR practices, where we encourage our people to put their best efforts and build an energetic work culture. It also helps **ESBEE** in attracting best professionals in industry. The company also believes in equality. No member is discriminated on the basis of gender, cast, religion, region, language. All these factors have contributed in making a competent team which has the ability to deliver the best output even in challenging situations. The health and safety of our members is important to us and we have adopted the latest industry guidelines to ensure the well-being of the workplace.



A Green Approach

We believe that protecting our earth's ecosystem is one of the greatest challenges that the world faces today. The company contributes its best to protect human and environment health so our future generations inherit a cleaner and greener planet. A deep concern to protect our environment drives **ESBEE** to adopt many sustainable practices. The company has built a sustainable model by streamlining the manufacturing processes. These practices have helped the company in eliminating or minimizing the content of harmful carcinogenic substances, which

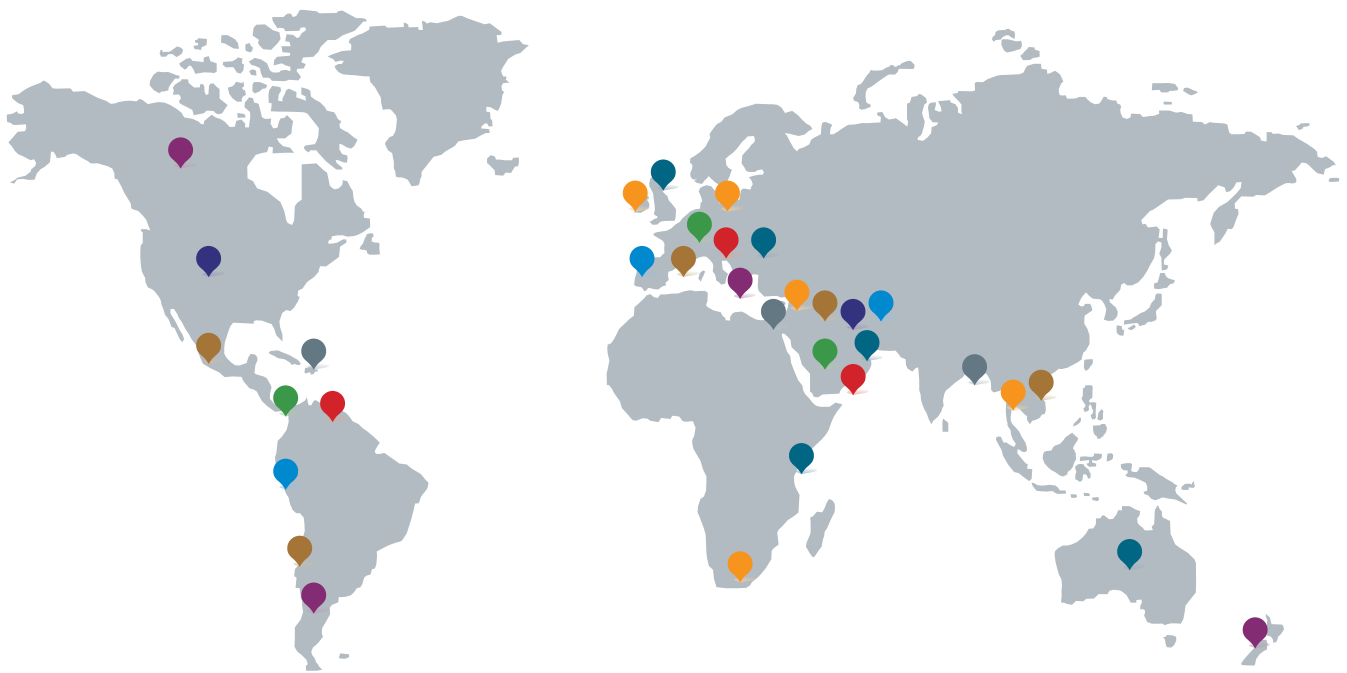
ultimately makes the products as per the latest product reference standards. The company has adopted green practices in all areas of operations which have reduced the wastage of plastic, and other harmful products. We have also incorporated sustainable practices in designing workplace areas where ample natural light is used which reduces the consumption of electricity. Furthermore, the company has installed a couple of windmills near Pune. Across the organization the company makes a conscious effort to reduce its carbon footprint.



Corporate Social Responsibility

ESBEE is a strong believer in the principle of giving back to the society and is committed towards development of society and other underprivileged sectors. In the field of education and healthcare the company has set up

“Sukhlal Bansilal Chordiya Charitable Trust (Regd.)” which is funded by both ESBEE and GIC. The trust extends financial support and assistance for the basic education and medical treatment of the underprivileged.



Serving the world.













ESBEE has strong presence in the world market, serving more than 36 countries across the globe since 1991. The company firmly believes that Indian products have marked their presence in the world with superior quality and innovation.

Innovation is one of our core strengths which have supported us in expanding and strengthening our product portfolio to serve the customers all over the world. The other major strength of the company is building long lasting relationships with our business partners enabling us to serve the world in a better way.

Esbee serves the following countries-

- Australia
- New Zealand
- USA
- Canada
- Mexico
- Chile
- Dominican Republic
- Argentina
- Venezuela
- Peru
- Panama
- UK
- Ireland
- Germany
- Italy
- Poland
- Greece
- Slovenia
- Spain
- Israel
- Jordan
- Iran
- Lebanon
- UAE
- Saudi
- Arabia
- Qatar
- Kuwait
- Oman
- Thailand
- Vietnam
- Bangladesh
- Sri Lanka
- South Africa
- Kenya

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Maintenance-free Lighting Solutions

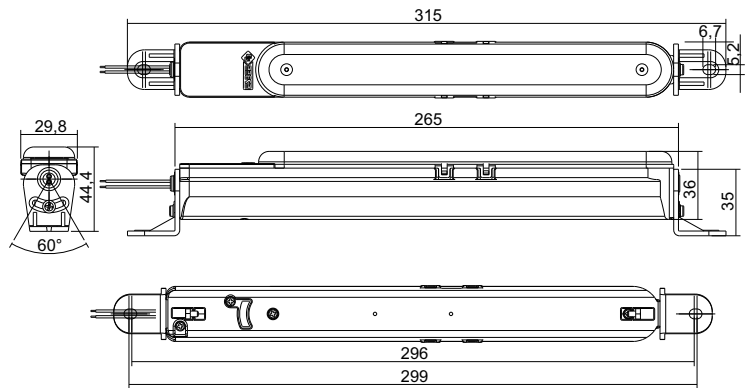
LED PANEL LIGHTS

- Completely assembled product .Ready to use.
- Product made of Engineering plastic making it more robust,impact proof, corrosion resistance & fire retardant.
- Low power consumption.
- LED's with long life of close to 0.1million continuous burning hours.
- Cascading options available.
- Available in 240V AC,110V AC,24V AC/DC,12V DC.
- Sustain 2.5KV of surge & 4KV of EFT, Allowing the operator to use it at variable as well as under construction sites with complete safety.

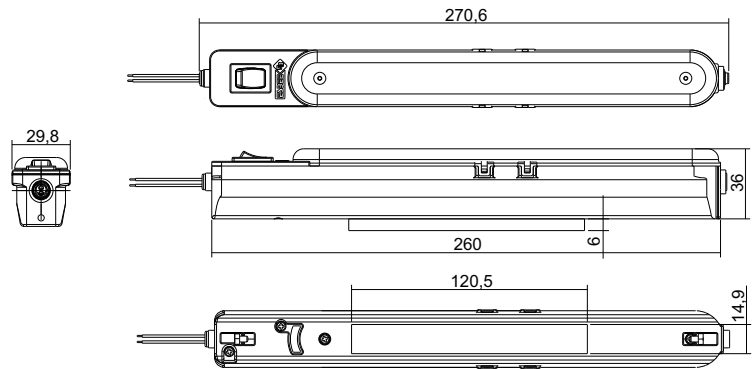


Led Panel Lights

LED Panel Light with Bracket



LED Panel Light with Magnet



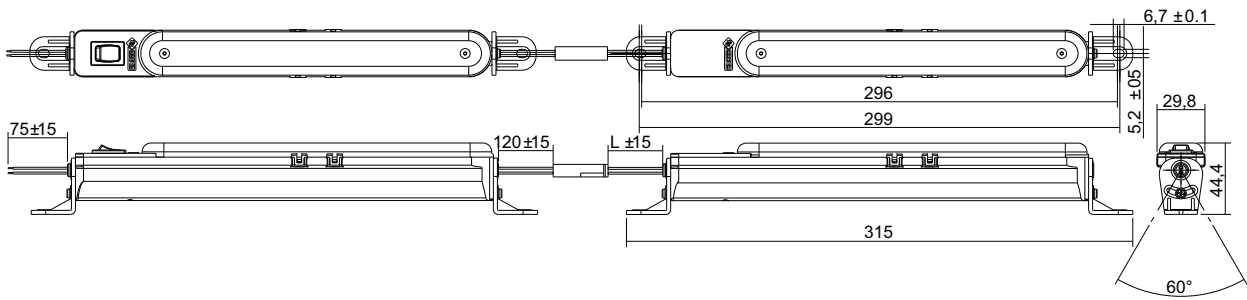
LED Panel Light with ON-OFF switch			
Housing Colour	Voltage	With Bracket	With Magnet
●	012V DC	IC24A03W012D	IC24A04W012D
	024V DC	IC24A03W024D	IC24A04W024D
	110V AC	IC24A03W110A	IC24A04W110A
	240V AC	IC24A03W240A	IC24A04W240A

LED Panel Light with ON-OFF switch			
Housing Colour	Voltage	With Bracket	With Magnet
●	012V DC	IC24A03C012D	IC24A04C012D
	024V DC	IC24A03C024D	IC24A04C024D
	110V AC	IC24A03C110A	IC24A04C110A
	240V AC	IC24A03C240A	IC24A04C240A

LED Panel Light with ON-OFF switch			
Housing Colour	Voltage	With Bracket	With Magnet
●	012V DC	IC24A03J012D	IC24A04J012D
	024V DC	IC24A03J024D	IC24A04J024D
	110V AC	IC24A03J110A	IC24A04J110A
	240V AC	IC24A03J240A	IC24A04J240A

All dimensions are in mm

Cascading Unit



Led Panel Light with ON-OFF switch, cascading unit with 1 meter wire

Housing Colour	Voltage	With Bracket	With Magnet
●	012V DC	IC24A11W012D	IC24A12W012D
	024V DC	IC24A11W024D	IC24A12W024D
	110V AC	IC24A11W110A	IC24A12W110A
	240V AC	IC24A11W240A	IC24A12W240A

Led Panel Light with ON-OFF switch, cascading unit with 1 meter wire

Housing Colour	Voltage	With Bracket	With Magnet
●	012V DC	IC24A11C012D	IC24A12C012D
	024V DC	IC24A11C024D	IC24A12C024D
	110V AC	IC24A11C110A	IC24A12C110A
	240V AC	IC24A11C240A	IC24A12C240A

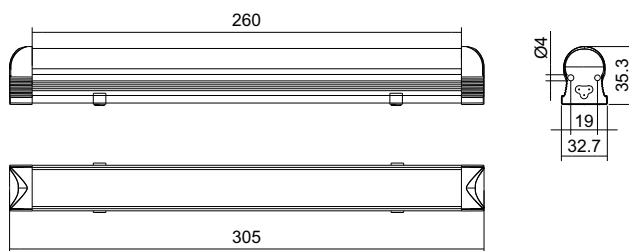
Led Panel Light with ON-OFF switch, cascading unit with 1 meter wire

Housing Colour	Voltage	With Bracket	With Magnet
●	012V DC	IC24A11J012D	IC24A12J012D
	024V DC	IC24A11J024D	IC24A12J024D
	110V AC	IC24A11J110A	IC24A12J110A
	240V AC	IC24A11J240A	IC24A12J240A

Technical Specifications

Rated Voltage	240V AC, 110V AC, 24V AC/DC, 12V DC
Limit of Operating Voltage	-20% to +10% of Rated Voltage
LED's	5 mm Th. Hole LEDs
Colours Available	White/Black/Grey
Life (Million burning hours)	0.1
LED Arrangement	Cluster
Colour Temp.	6000° K - 7000°K
No of LEDs	24
Operating Frequency	50 / 60 Hz
Operating Temperature	-25° C to 65° C
Storage Temperature	-30° C to 70° C
Surge Test	4kV
HV Test for 60 sec.	2.5kV
EMI / EMC Protection	4kKV
IP Protection	IP 54
Power Consumption (240V AC)	<3W
Mounting & Centre Distance	Magnet, Screw M5 X 25, CD : 299mm
Housing	ABS
Lens Polycarbonate	Clear
Length x Width x Height	315 x 30 x 45 mm
Feature	Swivel/Magnet/Cascading
Lux @1 meter	90

LED Panel Light With Diffused Lens



LED Panel Light With Diffused Lens 5W		
Housing Colour	Voltage	With Bracket
●	012V DC	IT05WCW1MM012D
	024V DC	IT05WCW1MM024D
	110V AC	IT05WCW1MM110A
	240V AC	IT05WCW1MM240A

LED Panel Light With Diffused Lens 9W		
Housing Colour	Voltage	With Bracket
●	110V AC	IT09WCW1MM110A
	240V AC	IT09WCW1MM240A

Technical Specifications

Product	Diffused Lens 5W	Diffused Lens 9W
Rated Voltage	240V AC, 110V AC, 24V AC/DC, 12V DC	240V AC, 110V AC
Limit of Operating Voltage	-20% to +10% of Rated voltage	-20% to +10% of Rated voltage
LED's	SMD LEDs	High Power SMD LED's
Colours Available	White	White
Power factor	NA	0.9
Life (Million burning hours)	0.05	0.03-0.05
LED Arrangement	Cluster	Cluster
Colour Temp.	6000°K - 7000°K	6500°K - 7000°K
No. of LED's	26	16
Operating Frequency	50/60 HZ	50/60 HZ
Operating Temperature	-25°C to 65°C	-25°C to 65°C
Storage Temperature	-30°C to 70°C	-30°C to 70°C
Surge Test	2kV	2kV
HV Test for 60 sec.	2kV	2.5kV
EMI/ EMC Protection	2kV	2kV
IP Protection	IP 54	IP 54
Power Consumption (240V)	5W	9 W
Housing	Aluminum	Aluminum
Lens Polycarbonate	Milky Diffuser Lens	Milky Diffuser Lens
Length X WidthXHeight	300x33.5x35.5 mm	300x33.5x35.5 mm
Feature	Magnet/Cascading	Magnet/Cascading
Lux @1 meter	110	200

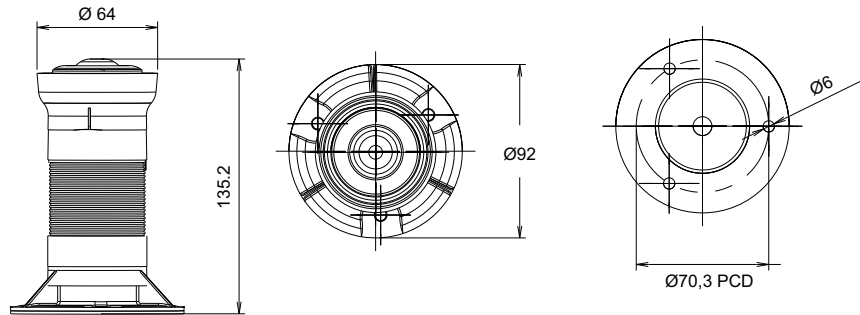
All dimensions are in mm


Internationally Approved **LED SIGNALING UNITS**

- Sleek & stackable design.
- SMD LED technology.
- Continuous, Flashing and Rotary Integrated LED light modules available.
- IP 65 protection .
- Wide voltage range from 12V AC/DC to 240V AC.



Siren Flasher



Emergency Siren with LED Flasher		
Housing Colour	Voltage	Part No.
	240V AC	IA12M34R240A
	110V AC	IA12M34R110A
	24V DC	IA12M34R024D

Technical Specifications

Rated Voltage	24V DC, 110V AC, 240V AC
Limit of Operating Voltage	-15% to +10% of rated voltage
Type of Sound	Single tone, Wail and yelp signals with cycles 150-250/min
LED Flasher	Red Colour
Light Intensity	100 LUX
Sound Output	100 db
Surge	2 kV
EMI-EMC	2 kV
Operating Temperature	-25°C to +65°C
Storage Temperature	-30°C to +70°C
Degree Of Protection	IP 65
Power Consumption	<5W
Polarity Protection	Provided
Insulation Resistance	1 Mohm
Contact Terminal	Red & Black Wire with L=50mm (Change as per customer req.)

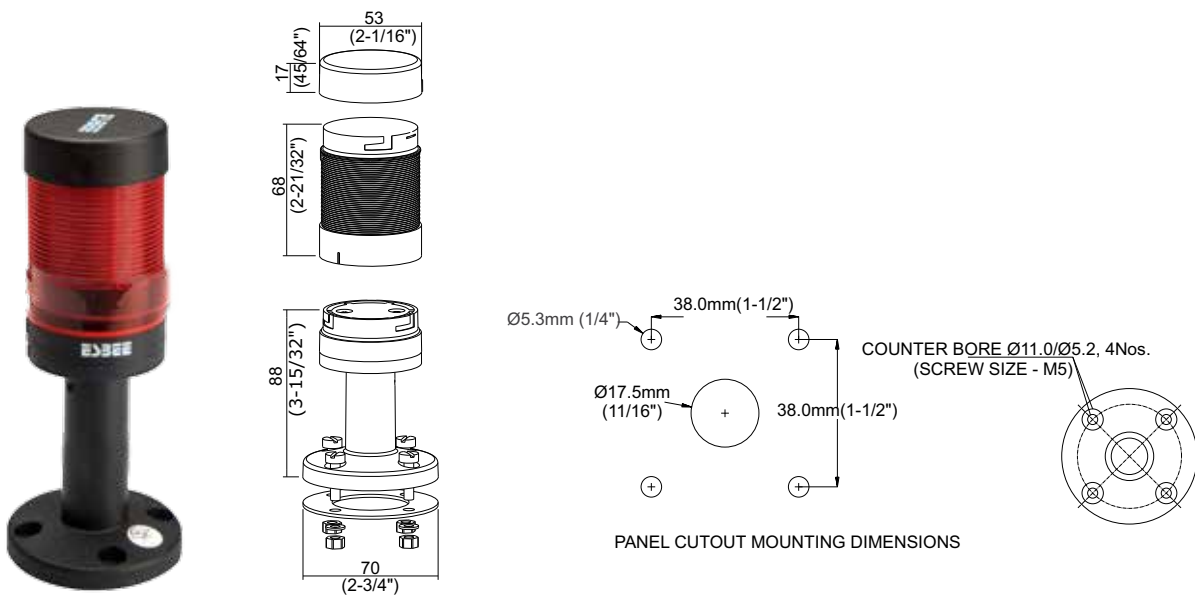
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Tower Lights

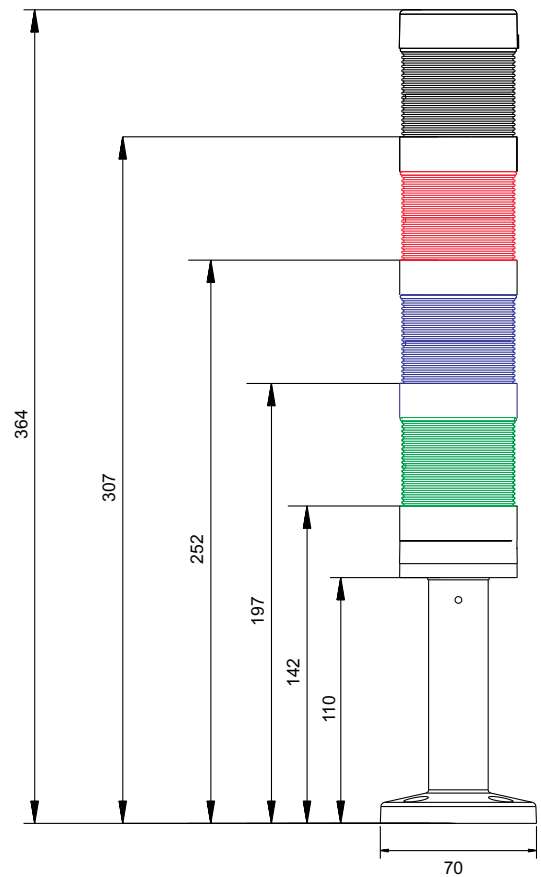
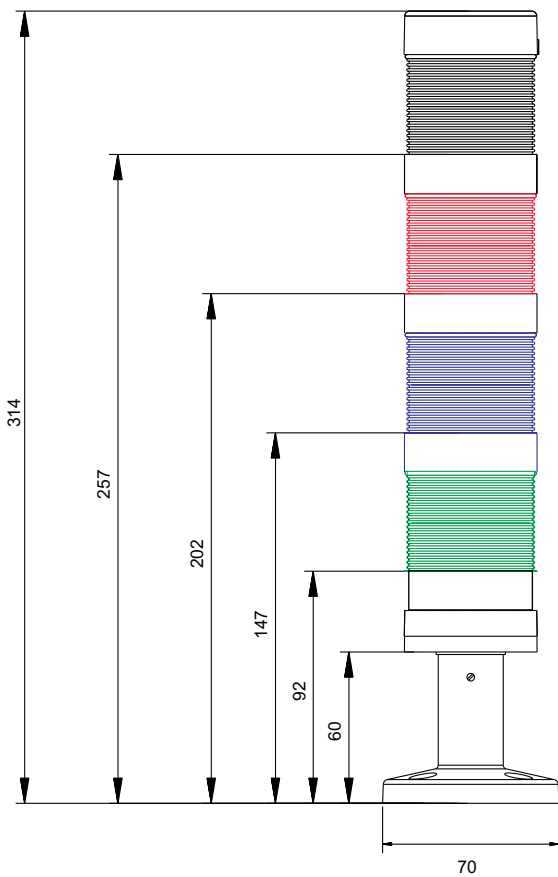
Choose Different **COLOURS**
And Set Your Own Combo



- Sleek & stackable design.
- SMD LED Technology for uniform & bright illumination.
- Flexibility to upgrade from single LED unit to multiple (max 4) LED units.
- Optional feature of Buzzer with dual sound mode-continuous & intermittent with 80db output.
- Different Mounting options like Base mounted, L clamp, Wall mounted, Swiveling base.



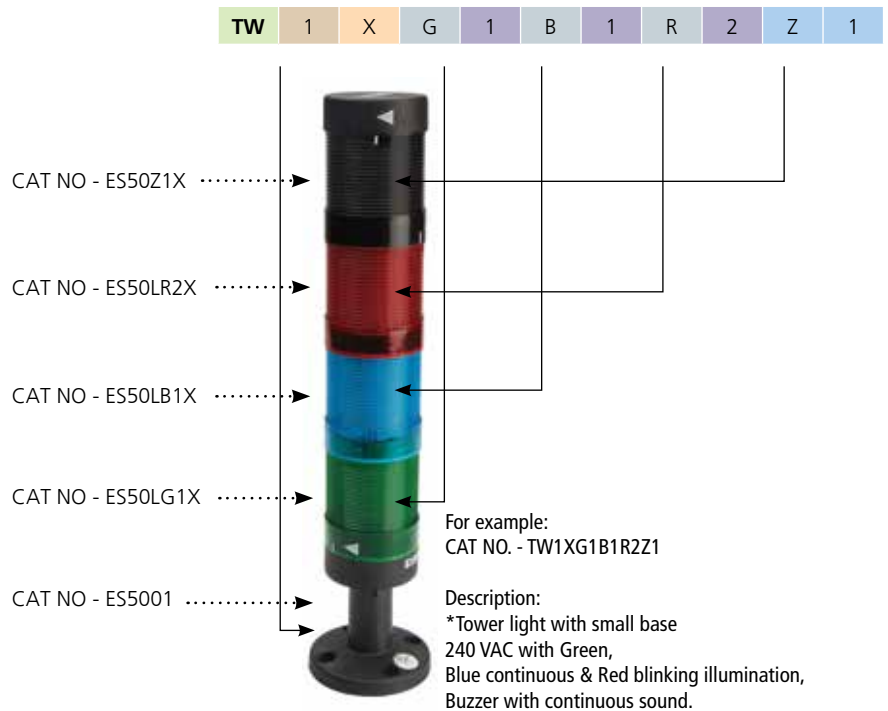
Dimensional Details



All dimensions are in mm

Selection Decoding

Description		Code
Tower Light		TW
Base	Small Base (SB)	1
	Big Base (BB)	2
Voltage	240V AC	X
	110V AC	W
	24V AC/DC	U
	12V AC/DC	T
Unit Colour	Red	R
	Green	G
	Yellow	Y
	Amber	A
	Blue	B
	White	W
Luminous Mode	Continuous	1
	Blinking	2
	Revolving	3
Buzzer*	Continuous	Z1
	Intermittent	Z2



Most Popular Combinations

Single Stack	Double Stack	Three Stack	Four Stack
Tower light without buzzer - 24 VAC/DC			
TW1UR1	TW1UR1G1	TW1UR1A1G1	TW1UR1G1A1B1
Tower light without Buzzer - 240 VAC			
TW1XR2	TW1XR1G1	TW1XR1A1G1	TW1XR1G1A1B1
Tower light with Buzzer - 24 VAC/DC			
TW1UZ1	TW1UR2Z2	TW1UR1G1Z1	TW1UR1A1G1Z1
Tower light without Buzzer - 240 VAC			
TW1XZ1	TW1XR1Z1	TW1XR1G1Z1	TW1XR1A1G1Z1

Tower Light Base Selection



Base Type	Base Height	Part code
Small	60 mm	ES5001
Big	110 mm	ES5002

Buzzer Lens Selection



Buzzer Colour	Voltage	Part code sound mode	
●		Continous	Intermittent
	012V AC/DC	ES50Z1T	ES50Z2T
	024V AC/DC	ES50Z1U	ES50Z2U
	110V AC	ES50Z1W	ES50Z2W
	240V AC	ES50Z1X	ES50Z2X

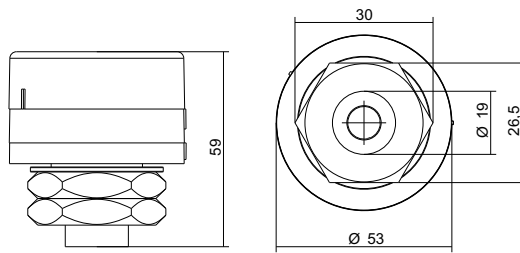
Luminous Lens Selection



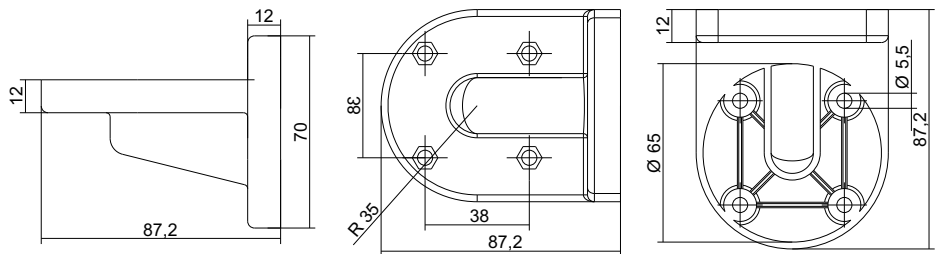
Tower Light Lens popular configuration				
Housing Colour	Voltage	Part code Luminous Mode		
		Continous	Blinking	Revolving
●	012V AC/DC	ES50LR1T	ES50LR2T	ES50LR3T
	024V AC/DC	ES50LR1U	ES50LR2U	ES50LR3U
	110V AC	ES50LR1W	ES50LR2W	ES50LR3W
	240V AC	ES50LR1X	ES50LR2X	ES50LR3X
●	012V AC/DC	ES50LG1T	ES50LG2T	ES50LG3T
	024V AC/DC	ES50LG1U	ES50LG2U	ES50LG3U
	110V AC	ES50LG1W	ES50LG2W	ES50LG3W
	240V AC	ES50LG1X	ES50LG2X	ES50LG3X
●	012V AC/DC	ES50LB1T	ES50LB2T	ES50LB3T
	024V AC/DC	ES50LB1U	ES50LB2U	ES50LB3U
	110V AC	ES50LB1W	ES50LB2W	ES50LB3W
	240V AC	ES50LB1X	ES50LB2X	ES50LB3X
●	012V AC/DC	ES50LY1T	ES50LY2T	ES50LY3T
	024V AC/DC	ES50LY1U	ES50LY2U	ES50LY3U
	110V AC	ES50LY1W	ES50LY2W	ES50LY3W
	240V AC	ES50LY1X	ES50LY2X	ES50LY3X
●	012V AC/DC	ES50LA1T	ES50LA2T	ES50LA3T
	024V AC/DC	ES50LA1U	ES50LA2U	ES50LA3U
	110V AC	ES50LA1W	ES50LA2W	ES50LA3W
	240V AC	ES50LA1X	ES50LA2X	ES50LA3X
●	012V AC/DC	ES50LW1T	ES50LW2T	ES50LW3T
	024V AC/DC	ES50LW1U	ES50LW2U	ES50LW3U
	110V AC	ES50LW1W	ES50LW2W	ES50LW3W
	240V AC	ES50LW1X	ES50LW2X	ES50LW3X

All dimensions are in mm

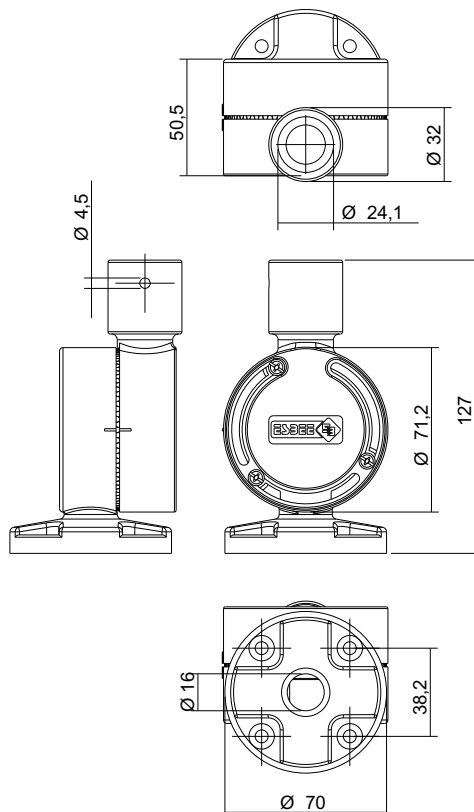
Tower light with different Mountings



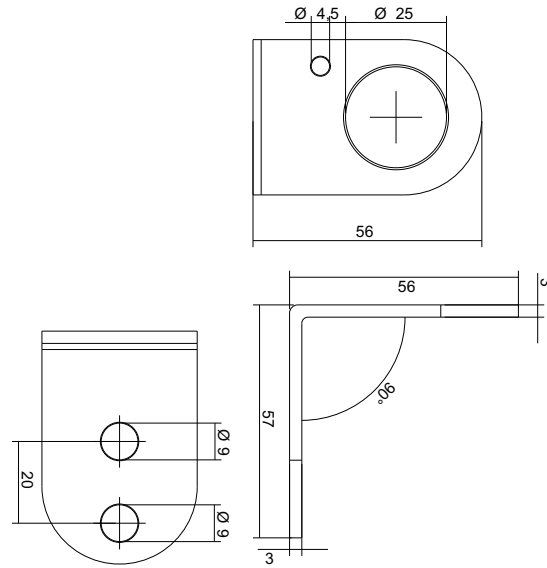
Accessories	Part Code
Base mounted	ES60000



Accessories	Part Code
Wall mounted bracket	ES122012A



Swiveling	
100 mm	ES60004
200 mm	ES60006
400 mm	ES60010
500 mm	ES60012
800 mm	ES60018
1000 mm	ES60022



L clamp	
100 mm	ES70004
200 mm	ES70007
400 mm	ES70010
500 mm	ES70012
800 mm	ES70018
1000 mm	ES70022

Technical Specifications

Outer diameter	Ø50mm
Degree of protection	IP65 & NEMA (1 2 3 3R 4 4X 12 13)
LED type	SMD
Lens colour	RED / GREEN / AMBER / BLUE / WHITE/ YELLOW
Luminous mode	Continuous, Blinking & Revolving
LED Life	0.1 million burning hours
Buzzer colour	Black
Buzzer sound level	80dB ± 5dB at 1 meter
Sounding mode	Continuous & Intermittent
Voltage range	12 V AC/DC, 24V AC/DC, 110V AC, 240V AC
Limit of operating voltage	±10% of rated voltage
Operating Frequency	50 / 60 Hz
Operating Temperature	-25°C to 65°C
Storage Temperature	-30°C to 70°C
Operating Torque	0.8 Nm
Wire Terminals	Wire size (AWG) 20-16 / 0.5 mm ²
Flash Rate (Time / min)	±5% 60
Surge test	2 KV
HV test for 60 sec.	1.5 KV
Current rating	40-60mA for 12V AC/DC & 24V AC/DC 10-20mA for 110V AC & 240V AC

Note : *For customized base please be in touch with our sales team.

All dimensions are in mm

Bright and Uniform

GEN NEXT LED

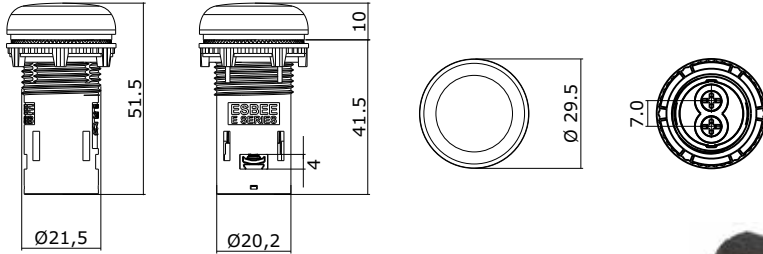
INDICATORS

- Gen Next LED Indicator with SMD LED technology.
- Special fire retardant plastic .
- Inbuilt LVGP (Low Voltage Glow Protection).
- Operating life more than 0.1 million burning hrs. continuous sound model with 80db output.
- Withstand 2kV surge test & passes 1.5kV HV test for 60 seconds.
- Inbuilt IP20 protection for terminals & IP 65.
- Can be fitted in 30 mm dia with additional accessories.



Gen Next Led Indicators

Panel Cutout 22.5 mm



Colour	Voltage	Part No.
●	12V AC/DC	EILY012C
	24V AC/DC	EILY024C
	30V AC/DC	EILY030C
	48V AC/DC	EILY048C
	64V AC/DC	EILY064C
	110V AC	EILY110A
	110V DC	EILY110D
	240V AC	EILY240A
	220V DC	EILY220D
	415V AC	EILY415A



Colour	Voltage	Part No.
●	12V AC/DC	EILR012C
	24V AC/DC	EILR024C
	30V AC/DC	EILR030C
	48V AC/DC	EILR048C
	64V AC/DC	EILR064C
	110V AC	EILR110A
	110V DC	EILR110D
	240V AC	EILR240A
	220V DC	EILR220D
	415V AC	EILR415A



Colour	Voltage	Part No.
●	12V AC/DC	EILA012C
	24V AC/DC	EILA024C
	30V AC/DC	EILA030C
	48V AC/DC	EILA048C
	64V AC/DC	EILA064C
	110V AC	EILA110A
	110V DC	EILA110D
	240V AC	EILA240A
	220V DC	EILA220D
	415V AC	EILA415A



Colour	Voltage	Part No.
●	12V AC/DC	EILG012C
	24V AC/DC	EILG024C
	30V AC/DC	EILG030C
	48V AC/DC	EILG048C
	64V AC/DC	EILG064C
	110V AC	EILG110A
	110V DC	EILG110D
	240V AC	EILG240A
	220V DC	EILG220D
	415V AC	EILG415A



Colour	Voltage	Part No.
●	12V AC/DC	EILW012C
	24V AC/DC	EILW024C
	30V AC/DC	EILW030C
	48V AC/DC	EILW048C
	64V AC/DC	EILW064C
	110V AC	EILW110A
	110V DC	EILW110D
	240V AC	EILW240A
	220V DC	EILW220D
	415V AC	EILW415A



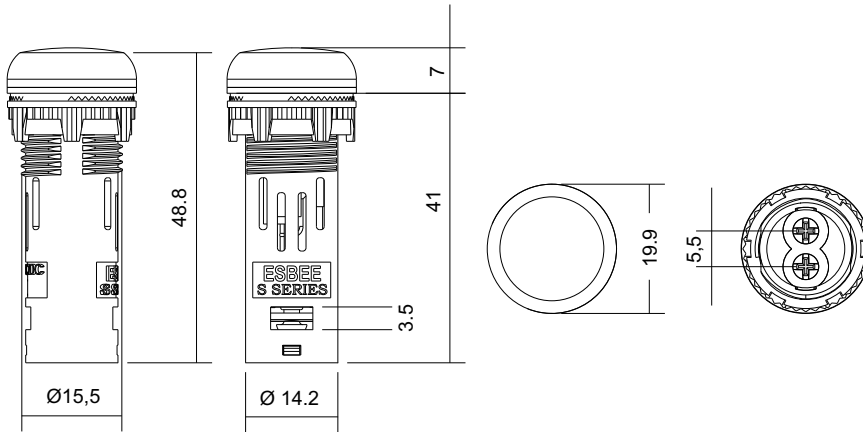
Colour	Voltage	Part No.
●	12V AC/DC	EILB012C
	24V AC/DC	EILB024C
	30V AC/DC	EILB030C
	48V AC/DC	EILB048C
	64V AC/DC	EILB064C
	110V AC	EILB110A
	110V DC	EILB110D
	240V AC	EILB240A
	220V DC	EILB220D
	415V AC	EILB415A



Colour	Voltage	Part No.
○	12V AC/DC	EILC012C
	24V AC/DC	EILC024C
	30V AC/DC	EILC030C
	48V AC/DC	EILC048C
	64V AC/DC	EILC064C
	110V AC	EILC110A
	110V DC	EILC110D
	240V AC	EILC240A
	220V DC	EILC220D
	415V AC	EILC415A

All dimensions are in mm

Panel Cutout 16 mm



Colour	Voltage	Part No.
●	12V AC/DC	SILR012C
	24V AC/DC	SILR024C
	48V AC/DC	SILR048C
	64V AC/DC	SILR064C
	110V AC/DC	SILR110C
	240V AC	SILR240A



Colour	Voltage	Part No.
●	12V AC/DC	SILA012C
	24V AC/DC	SILA024C
	48V AC/DC	SILA048C
	64V AC/DC	SILA064C
	110V AC/DC	SILA110C
	240V AC	SILA240A



Colour	Voltage	Part No.
●	12V AC/DC	SILG012C
	24V AC/DC	SILG024C
	48V AC/DC	SILG048C
	64V AC/DC	SILG064C
	110V AC/DC	SILG110C
	240V AC	SILG240A



Colour	Voltage	Part No.
●	12V AC/DC	SILW012C
	24V AC/DC	SILW024C
	48V AC/DC	SILW048C
	64V AC/DC	SILW064C
	110V AC/DC	SILW110C
	240V AC	SILW240A

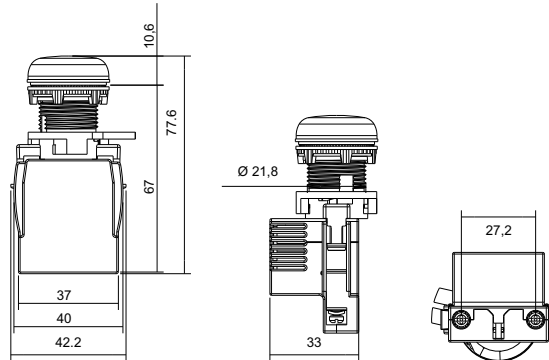


Colour	Voltage	Part No.
●	12V AC/DC	SILB012C
	24V AC/DC	SILB024C
	48V AC/DC	SILB048C
	64V AC/DC	SILB064C
	110V AC/DC	SILB110C
	240V AC	SILB240A



Colour	Voltage	Part No.
●	12V AC/DC	SILY012C
	24V AC/DC	SILY024C
	48V AC/DC	SILY048C
	64V AC/DC	SILY064C
	110V AC/DC	SILY110C
	240V AC	SILY240A

Panel Cutout 22.5 mm - Universal/Multi-Voltage



Colour	Voltage	Part No.
●	24 TO 240V AC/DC	EG0100LR224C
	40 TO 240V AC/DC	EG0100LR424C

Colour	Voltage	Part No.
●	24 TO 240V AC/DC	EG0100LY224C
	40 TO 240V AC/DC	EG0100LY424C

Colour	Voltage	Part No.
●	24 TO 240V AC/DC	EG0100LG224C
	40 TO 240V AC/DC	EG0100LG424C

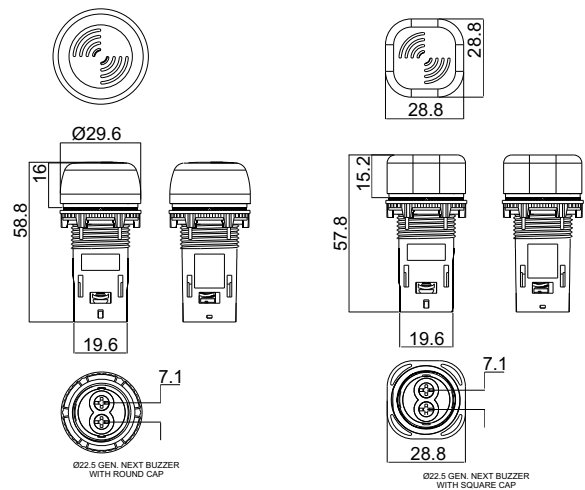
Colour	Voltage	Part No.
●	24 TO 240V AC/DC	EG0100LA224C
	40 TO 240V AC/DC	EG0100LA424C

Colour	Voltage	Part No.
●	24 TO 240V AC/DC	EG0100LB224C
	40 TO 240V AC/DC	EG0100LB424C

COLOUR	VOLTAGE	PART NO.
●	24 TO 240V AC/DC	EG0100LW224C
	40 TO 240V AC/DC	EG0100LW424C

Panel Mounting Buzzer

Panel Cutout 22.5 mm



Colour	Voltage	Part No.	
		ROUND TYPE	SQUARE TYPE
●	12V AC/DC	EG15R00C012C	EG15S00C012C
	24V AC/DC	EG15R00C024C	EG15S00C024C
	30V AC/DC	EG05R00C030C	EG05S00C030C
	48V AC/DC	EG15R00C048C	EG15S00C048C
	64V AC/DC	EG15R00C064C	EG15S00C064C
	110V AC	EG15R00C110A	EG15S00C110A
	240V AC	EG15R00C240A	EG15S00C240A

All dimensions are in mm

Technical Specifications

Product	16 mm Gen Next LED Indicators	22.5 mm Gen Next LED Indicators
Rated Voltage	12V AC/DC, 24V AC/DC, 30V AC/DC, 48V AC/DC, 64V AC/DC, 110V AC/DC, 240V AC	12V AC/DC, 24V AC/DC, 30V AC/DC, 48V AC/DC, 64V AC/DC, 110 VAC, 110 V DC 240 VAC, 220V DC 415V AC
Operating Voltage	-20% to +10% of rated voltage	-20% to +10% of rated voltage
Type of LED	SMD LEDs	SMD LEDs
Available Colours	Red/Green/Yellow/Amber/Blue/White	Red/Green/Yellow/Amber/Blue/White/Clear
Life	0.1 million burning hour	0.1 million burning hour
Operating Frequency	50 / 60 Hz	50 / 60 Hz
Operating Temperature	-25°C to 65°C	-25°C to 65°C
Storage Temperature	-30°C to 70°C	-30°C to 70°C
Wire Termination Capacity	0.5 mm ² , 1.5 mm ²	0.5mm ² , 1.5 - 2.5 mm ²
Terminal Torque	0.8 Nm	0.8 Nm
LVGP	Available	Available
Surge Test	2kV	2kV
HV test for 60 sec.	1.5kV	1.5kV
Degree of Protection	Above panel : IP65 For terminals : IP20	Above panel : IP65 For terminals : IP20
International Approvals	CE	CE, UL

Technical Specifications

Panel Mounted Buzzer

Product	Panel Mounted Buzzer
Rated Voltage	12V AC/DC, 24V AC/DC, 30V AC/DC, 48V AC/DC, 63.5V AC/DC, 110V AC, 240V AC
Operating Voltage	-20% to + 10% of rated voltage
SPL (Sound Pressure Level)	>80dB
Colour	Black
Life	>0.01 million burning Hrs.
Operating Frequency	50/60 Hz
Operating Temperature	-25°C to 65°C
Storage Temperature	-30°C to 70°C
Wire Termination Capacity	Min 0.5 mm ² , 1.5 - 2.5 mm ²
Terminal Torque	0.8 Nm
Surge Test	2kV
Hv Test for 60 sec.	2.5kV
Operating Frequency	Above Panel : IP 55 For Terminal : IP20
International Approval	CE

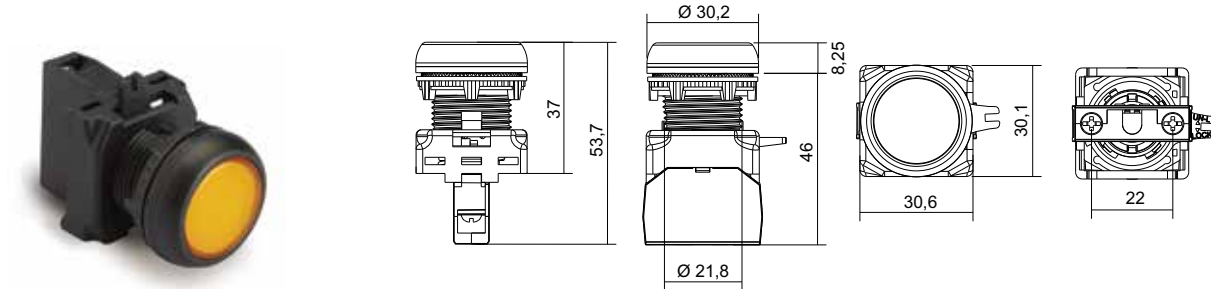
Compact and Safe GEN NEXT MODULAR PUSH BUTTONS


- 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

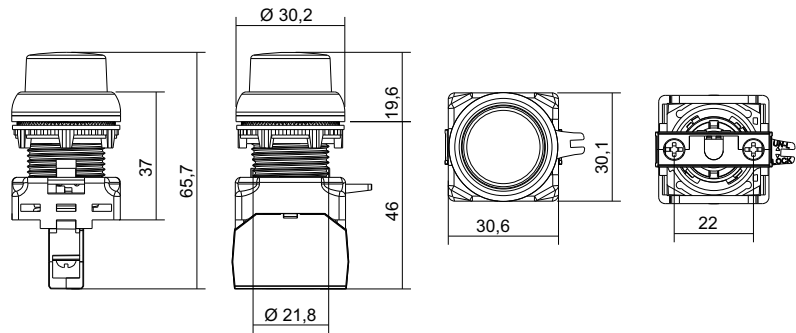
Colour	Voltage	Part No.
	12V AC/DC	EG03FDLG012C
	24V AC/DC	EG03FDLG024C
	30V AC/DC	EG03FDLG030C
	48V AC/DC	EG03FDLG048C
	64V AC/DC	EG03FDLG064C
	110V AC	EG03FDLG110A
	110V DC	EG03FDLG110D
	240V AC	EG03FDLG240A
	220V DC	EG03FDLG220D


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

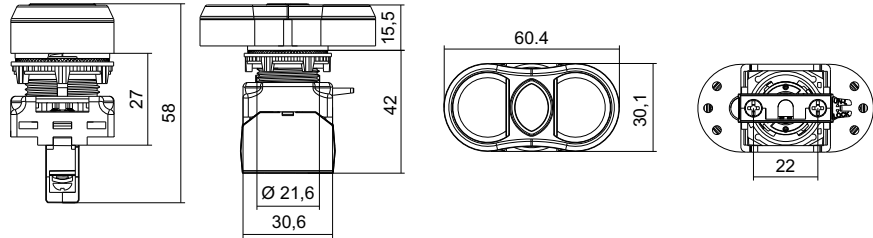
Colour	Voltage	Part No.
	12V AC/DC	EG03PDLA012C
	24V AC/DC	EG03PDLA024C
	30V AC/DC	EG03PDLA030C
	48V AC/DC	EG03PDLA048C
	64V AC/DC	EG03PDLA064C
	110V AC	EG03PDLA110A
	110V DC	EG03PDLA110D
	240V AC	EG03PDLA240A
	220V DC	EG03PDLA220D

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

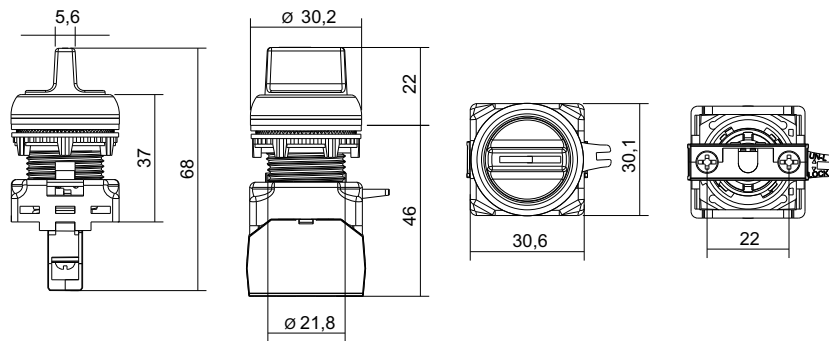


Colour	Voltage	Part No.
●	12V AC/DC	EG03TDLY012C
	24V AC/DC	EG03TDLY024C
	30V AC/DC	EG03TDLY030C
	48V AC/DC	EG03TDLY048C
	64V AC/DC	EG03TDLY064C
	110V AC	EG03TDLY110A
	110V DC	EG03TDLY110D
	240V AC	EG03TDLY240A
	220V DC	EG03TDLY220D

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



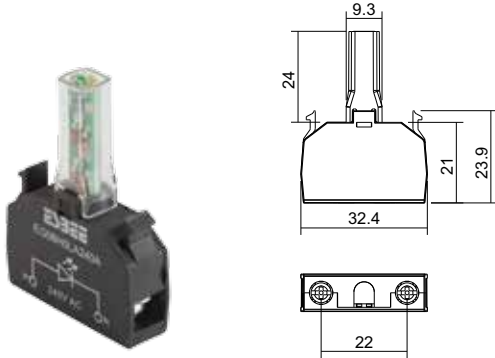
Colour	Voltage	Part No. 2 Position	
		Non-Spring Return	Spring Return
●	24V AC/DC	EG03SKLR024C	EG03SILR024C
	240V AC	EG03SKLR240A	EG03SILR240A
●	24V AC/DC	EG03SKLG024C	EG03SILG024C
	240V AC	EG03SKLG240A	EG03SILG240A

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

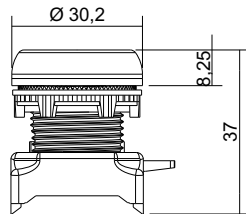
Colour	Voltage	Part No.
●	12V AC/DC	EG08H0LW012C
	24V AC/DC	EG08H0LW024C
	30V AC/DC	EG08H0LW030C
	48V AC/DC	EG08H0LW048C
	64V AC/DC	EG08H0LW064C
	110V AC	EG08H0LW110A
	110V DC	EG08H0LW110D
	240V AC	EG08H0LW240A
	220V DC	EG08H0LW220D

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

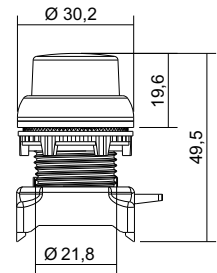
Gen Next Modular Push Button- Non Illuminated

Flush Head Actuator



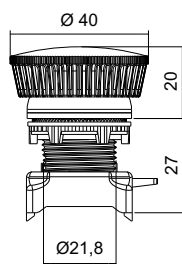
Colour	Part No.
●	EMNRFD1
●	EMNGFD1
●	EMNBFD1
●	EMNYFD1
●	EMNAFD1
●	EMNWFD1
●	EMNCFD1

Projecting Head Push Function Actuator



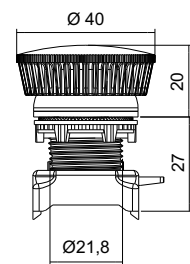
Colour	Part No.
●	EMNRPD1
●	EMNGPD1
●	EMNBPD1
●	EMNYPD1
●	EMNAPD1
●	EMNWPD1
●	EMNCPD1

Mushroom Head Push - Turn Actuator



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

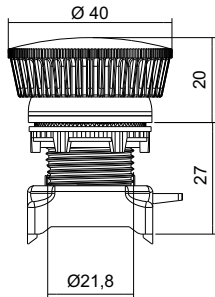
Mushroom Head Push - Function Actuator



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

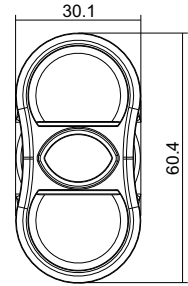
All dimensions are in mm

Mushroom Head Push- Pull Actuator



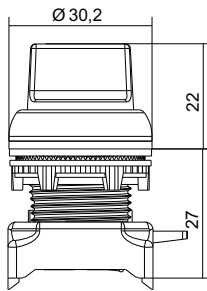
Colour	Part No.
●	EG02MG0R

Twin-Touch Actuator



Colour	Part No.
●	EG02TD0I

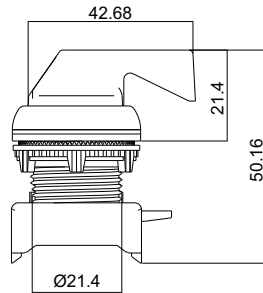
Selector Actuator



Colour	Part No. 2 Position			
	Non-Spring Return 30°	Non-Spring Return 45°	Non-Spring Return 90°	Spring Return 30°
●				
●	EMNRSL1	EMNRSJ1	EMNRSM1	EMNRSN1
●	EMNGSL1	EMNGSJ1	EMNGSM1	EMNGSN1
●	EMNWSL1	EMNWSJ1	EMNWSM1	EMNWSN1
●	EMNCSL1	EMNC SJ1	EMNC SM1	EMNC SN1

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	EMNC SJ1	EMNC SM1	EMNC SN1

Lever Head Actuator

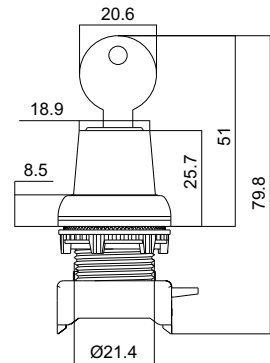


Colour	Part No. 2 Position			
	Non-Spring Return 30°	Non-Spring Return 45°	Non-Spring Return 90°	Spring Return 30°
●	EMNCLK1	EMNCLR1	EMNCLT1	EMNCLI1

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

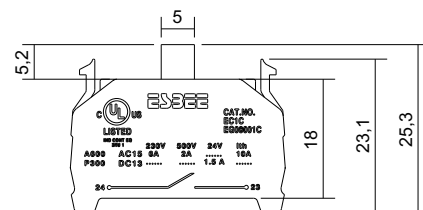
Lock & Key Rotary Actuator



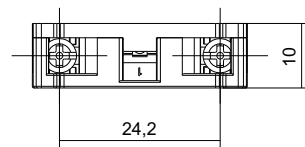
Colour	Part No. 2 Position			
	Non-Spring Return 30°	Non-Spring Return 45°	Non-Spring Return 90°	Spring Return 30°
●	EMNCKK1	EMNCKR1	EMNCKT1	EMNCKI1

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.

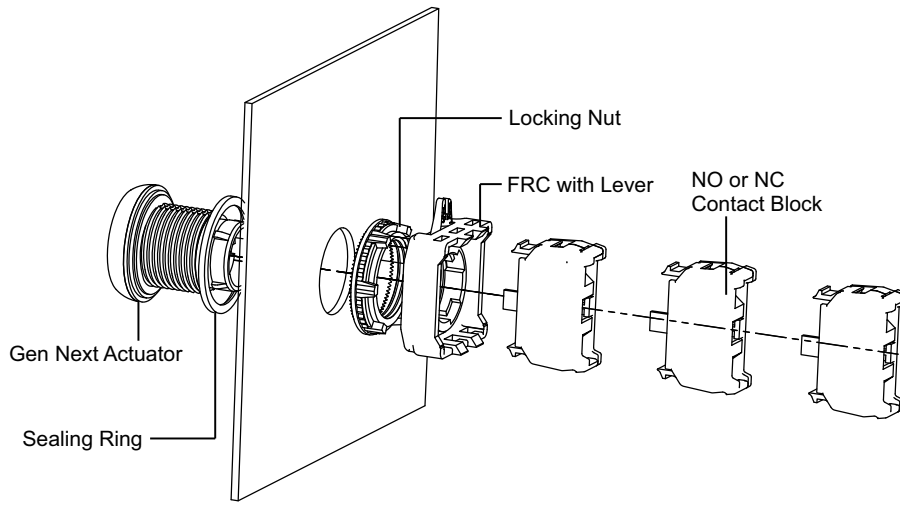
Technical Specifications

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.
EMNRFD1	EG02FD0R00
EMNGFD1	EG02FD0G00
EMNYFD1	EG02FD0Y00
EMNCFD1	EG02FD0C00
EMNbfd1	EG02FD0B00
EMNwfd1	EG02FD0W00
EMNAFD1	EG02FD0A00

Projecting Head Push Function	
Esbee CAT NO.	UL CAT NO.
EMNRPD1	EG02PD0R00
EMNGPD1	EG02PD0R00
EMNYPD1	EG02PD0R00
EMNCPD1	EG02PD0R00
EMNBPD1	EG02PD0R00
EMNwPD1	EG02PD0R00
EMNAPD1	EG02PD0R00

Lock & Key 2 Position	
Esbee CAT NO.	UL CAT NO.
EMNCKK1	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

Ready to use Solution

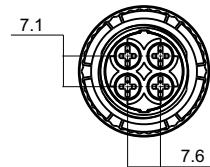
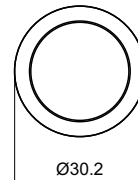
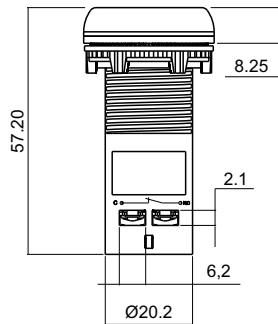
GEN NEXT ENTEGRAL PUSH BUTTONS

- Compact and Unique design.
- Ready to use solution for OEM & Panel Builders.
- Isolated terminals for NO+NC Application.
- Current rating of 6A at 240V AC.
- IP 20 terminal Protection & IP 65.
- Electrical operation 0.5 million at rated voltage, mechanical life of 1 million operations.



Integral Actuator

Flush Head



Colour	Contact	Part No.
	1NO	EE1RFD1
	1NC	EE2RFD1
	1NO+1NC	EE3RFD1
	2NO	EE4RFD1
	2NC	EE5RFD1

Colour	Contact	Part No.
	1NO	EE1GFD1
	1NC	EE2GFD1
	1NO+1NC	EE3GFD1
	2NO	EE4GFD1
	2NC	EE5GFD1

Colour	Contact	Part No.
	1NO	EE1BFD1
	1NC	EE2BFD1
	1NO+1NC	EE3BFD1
	2NO	EE4BFD1
	2NC	EE5BFD1

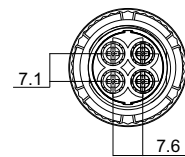
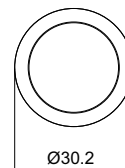
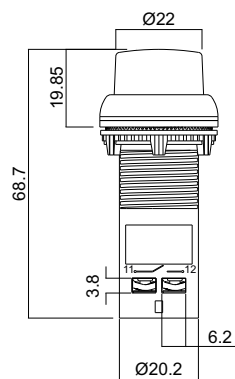
Colour	Contact	Part No.
	1NO	EE1YFD1
	1NC	EE2YFD1
	1NO+1NC	EE3YFD1
	2NO	EE4YFD1
	2NC	EE5YFD1

Colour	Contact	Part No.
	1NO	EE1AFD1
	1NC	EE2AFD1
	1NO+1NC	EE3AFD1
	2NO	EE4AFD1
	2NC	EE5AFD1

Colour	Contact	Part No.
	1NO	EE1WFD1
	1NC	EE2WFD1
	1NO+1NC	EE3WFD1
	2NO	EE4WFD1
	2NC	EE5WFD1

Colour	Contact	Part No.
	1NO	EE1CFD1
	1NC	EE2CFD1
	1NO+1NC	EE3CFD1
	2NO	EE4CFD1
	2NC	EE5CFD1

Projection Head Push Function



Colour	Contact	Part No.
	1NO	EE1RPD1
	1NC	EE2RPD1
	1NO+1NC	EE3RPD1
	2NO	EE4RPD1
	2NC	EE5RPD1

Colour	Contact	Part No.
	1NO	EE1GPD1
	1NC	EE2GPD1
	1NO+1NC	EE3GPD1
	2NO	EE4GPD1
	2NC	EE5GPD1

Colour	Contact	Part No.
	1NO	EE1BPD1
	1NC	EE2BPD1
	1NO+1NC	EE3BPD1
	2NO	EE4BPD1
	2NC	EE5BPD1

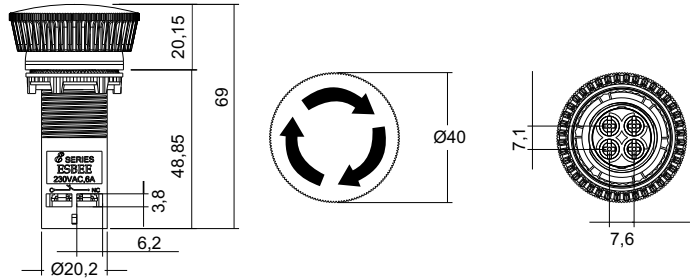
Colour	Contact	Part No.
	1NO	EE1YPD1
	1NC	EE2YPD1
	1NO+1NC	EE3YPD1
	2NO	EE4YPD1
	2NC	EE5YPD1

Colour	Contact	Part No.
	1NO	EE1APD1
	1NC	EE2APD1
	1NO+1NC	EE3APD1
	2NO	EE4APD1
	2NC	EE5APD1

Colour	Contact	Part No.
	1NO	EE1WPD1
	1NC	EE2WPD1
	1NO+1NC	EE3WPD1
	2NO	EE4WPD1
	2NC	EE5WPD1

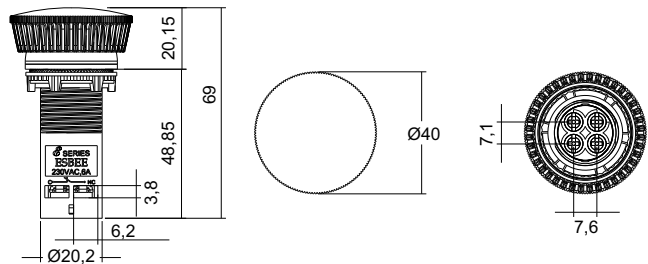
Colour	Contact	Part No.
	1NO	EE1CPD1
	1NC	EE2CPD1
	1NO+1NC	EE3CPD1
	2NO	EE4CPD1
	2NC	EE5CPD1

Mushroom Head Push Turn



Colour	Contact	Part No.	Colour	Contact	Part No.	Colour	Contact	Part No.	Colour	Contact	Part No.
●	1NO	EE1RMH1	●	1NO	EE1GMH1	●	1NO	EE1YMH1	●	1NO	EE1CMH1
	1NC	EE2RMH1		1NC	EE2GMH1		1NC	EE2YMH1		1NC	EE2CMH1
	1NO+1NC	EE3RMH1		1NO+1NC	EE3GMH1		1NO+1NC	EE3YMH1		1NO+1NC	EE3CMH1
	2NO	EE4RMH1		2NO	EE4GMH1		2NO	EE4YMH1		2NO	EE4CMH1
	2NC	EE5RMH1		2NC	EE5GMH1		2NC	EE5YMH1		2NC	EE5CMH1

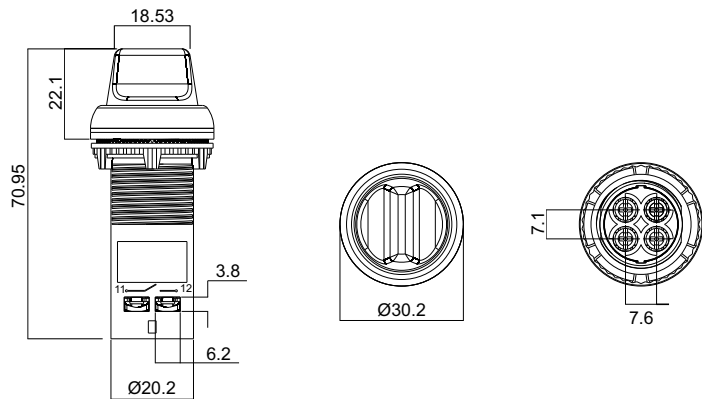
Mushroom Head Push Function



Colour	Contact	Part No.	Colour	Contact	Part No.	Colour	Contact	Part No.	Colour	Contact	Part No.
●	1NO	EE1RMD1	●	1NO	EE1GMD1	●	1NO	EE1YMD1	●	1NO	EE1CMD1
	1NC	EE2RMD1		1NC	EE2GMD1		1NC	EE2YMD1		1NC	EE2CMD1
	1NO+1NC	EE3RMD1		1NO+1NC	EE3GMD1		1NO+1NC	EE3YMD1		1NO+1NC	EE3CMD1
	2NO	EE4RMD1		2NO	EE4GMD1		2NO	EE4YMD1		2NO	EE4CMD1
	2NC	EE5RMD1		2NC	EE5GMD1		2NC	EE5YMD1		2NC	EE5CMD1

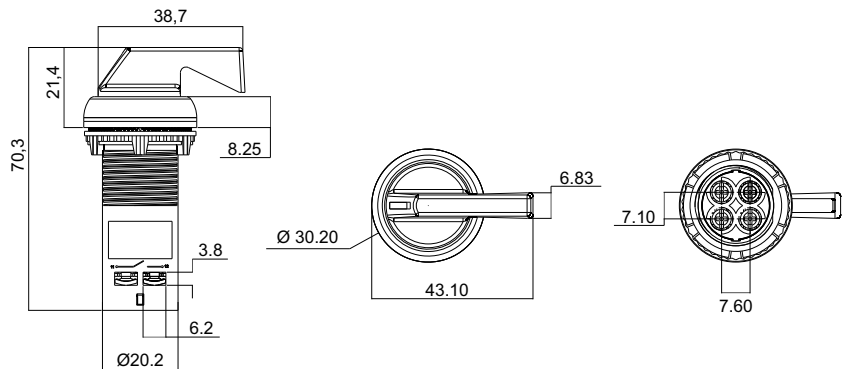
All dimensions are in mm

Symmetric Head



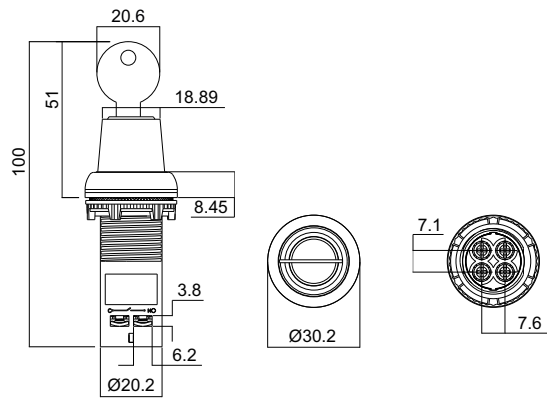
Colour	Contact	Part No.					
		2 POSITION		3 POSITION			
		NSR	SR	NSR	SR	SR L.H.	SR R.H.
●	1NO	EE1CSK1	EE1CSI1	EE1CSL1	EE1CSJ1	EE1CSM1	EE1CSN1
	1NC	EE2CSK1	EE2CSI1	EE2CSL1	EE2CSJ1	EE2CSM1	EE2CSN1
	1NO+1NC (LEFT NO)	EE3CSK1	EE3CSI1	EE3CSL1	EE3CSJ1	EE3CSM1	EE3CSN1
	2NO	EE4CSK1	EE4CSI1	EE4CSL1	EE4CSJ1	EE4CSM1	EE4CSN1
	2NC	EE5CSK1	EE5CSI1	EE5CSL1	EE5CSJ1	EE5CSM1	EE5CSN1
	1NO+1NC (RIGHT NO)	EE6CSK1	EE6CSI1	EE6CSL1	EE6CSJ1	EE6CSM1	EE6CSN1

Lever Head




Colour	Contact	Part No.					
		2 POSITION		3 POSITION			
		NSR	SR	NSR	SR	SR L.H.	SR R.H.
●	1NO	EE1CLK1	EE1CLI1	EE1CLL1	EE1CLJ1	EE1CLM1	EE1CLN1
	1NC	EE2CLK1	EE2CLI1	EE2CLL1	EE2CLJ1	EE2CLM1	EE2CLN1
	1NO+1NC (LEFT NO)	EE3CLK1	EE3CLI1	EE3CLL1	EE3CLJ1	EE3CLM1	EE3CLN1
	2NO	EE4CLK1	EE4CLI1	EE4CLL1	EE4CLJ1	EE4CLM1	EE4CLN1
	2NC	EE5CLK1	EE5CLI1	EE5CLL1	EE5CLJ1	EE5CLM1	EE5CLN1
	1NO+1NC (RIGHT NO)	EE6CLK1	EE6CLI1	EE6CLL1	EE6CLJ1	EE6CLM1	EE6CLN1

Lock and Key



Colour	Contact	Part No.					
		2 POSITION		3 POSITION			
		NSR	SR	NSR	SR	SR L.H.	SR R.H.
●	1NO	EE1CCK1	EE1CKI1	EE1CKL1	EE1CKJ1	EE1CKM1	EE1CKN1
	1NC	EE2CCK1	EE2CKI1	EE2CKL1	EE2CKJ1	EE2CKM1	EE2CKN1
	1NO+1NC (LEFT NO)	EE3CCK1	EE3CKI1	EE3CKL1	EE3CKJ1	EE3CKM1	EE3CKN1
	2NO	EE4CCK1	EE4CKI1	EE4CKL1	EE4CKJ1	EE4CKM1	EE4CKN1
	2NC	EE5CCK1	EE5CKI1	EE5CKL1	EE5CKJ1	EE5CKM1	EE5CKN1
	1NO+1NC (RIGHT NO)	EE6CCK1	EE6CKI1	EE6CKL1	EE6CKJ1	EE6CKM1	EE6CKN1

Note : *In 2 position selector actuator, for operating style  replace 6th digit from K to R and for operating style  replace 6th digit from K to T.

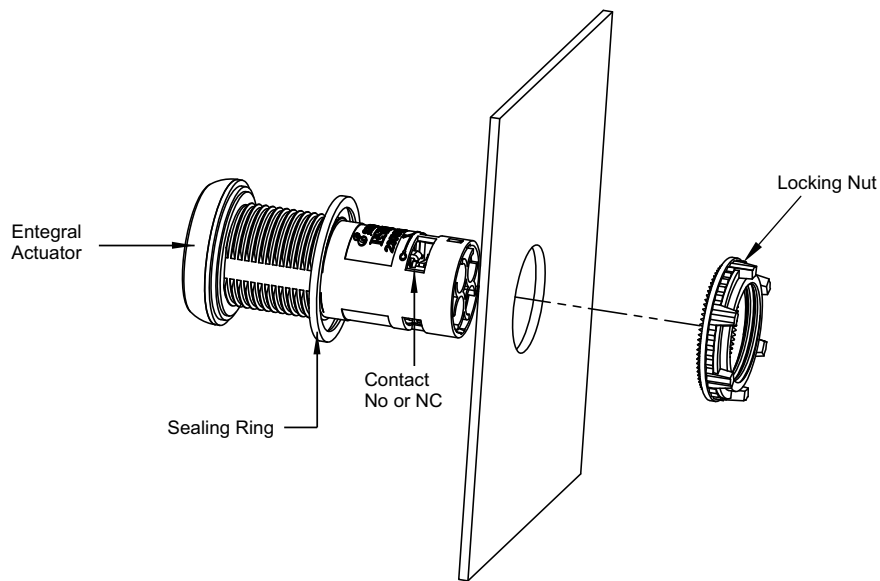
*Colours Available- Red, Green, Yellow, White/Opal, Blue, Amber, Black.

All dimensions are in mm

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			
Function	Push, Push - Push, Push turn, Selector			
Colour	RED/GREEN/BLACK/YELLOW/WHITE/BLUE/AMBER			
Disposition of Contact	<p> <input type="checkbox"/> Contact Open <input checked="" type="checkbox"/> Contact Close </p> <p> NC: 0 to 1.5 mm NO: 1.5 to 4.8 mm Stroke (mm) </p>			

Exploded view of Entegral Actuator



UL Correlation sheet for Gen Next Entegral Actuator

Mushroom Head Push Function

Esbee CAT NO.	UL CAT NO.
EE1RMD1	EE02MD1R
EE1GMD1	EE02MD1G
EE1YMD1	EE02MD1Y
EE1CMD1	EE02MD1C
EE2RMD1	EE02MD2R
EE2GMD1	EE02MD2G
EE2YMD1	EE02MD2Y
EE2CMD1	EE02MD2C
EE3RMD1	EE02MD3R
EE3GMD1	EE02MD3G
EE3YMD1	EE02MD3Y
EE3CMD1	EE02MD3C
EE4RMD1	EE02MD4R
EE4GMD1	EE02MD4G
EE4YMD1	EE02MD4Y
EE4CMD1	EE02MD4C
EE5RMD1	EE02MD5R
EE5GMD1	EE02MD5G
EE5YMD1	EE02MD5Y
EE5CMD1	EE02MD5C

Mushroom Head Push Turn

Esbee CAT NO.	UL CAT NO.
EE1RMH1	EE02MH1R
EE1GMH1	EE02MH1G
EE1YMH1	EE02MH1Y
EE1CMH1	EE02MH1C
EE2RMH1	EE02MH2R
EE2GMH1	EE02MH2G
EE2YMH1	EE02MH2Y
EE2CMH1	EE02MH2C
EE3RMH1	EE02MH3R
EE3GMH1	EE02MH3G
EE3YMH1	EE02MH3Y
EE3CMH1	EE02MH3C
EE4RMH1	EE02MH4R
EE4GMH1	EE02MH4G
EE4YMH1	EE02MH4Y
EE4CMH1	EE02MH4C
EE5RMH1	EE02MH5R
EE5GMH1	EE02MH5G
EE5YMH1	EE02MH5Y
EE5CMH1	EE02MH5C

Lock & Key 2 Position

Esbee CAT NO.	UL CAT NO.
EE1CKK1	EE02KK1C
EE1CKR1	EE02KR1C
EE1CKI1	EE02KI1C
EE2CKK1	EE02KK2C
EE2CKR1	EE02KR2C
EE2CKI1	EE02KI2C
EE3CKK1	EE02KK3C
EE3CKR1	EE02KR3C
EE3CKI1	EE02KI3C
EE4CKK1	EE02KK4C
EE4CKR1	EE02KR4C
EE4CKI1	EE02KI4C
EE5CKK1	EE02KK5C
EE5CKR1	EE02KR5C
EE5CKI1	EE02KI5C

Lock & Key 3 Position

Esbee CAT NO.	UL CAT NO.
EE3CKL1	EE02KL3C
EE3CKJ1	EE02KJ3C
EE6CKL1	EE02KL6C
EE6CKJ1	EE02KJ6C
EE4CKL1	EE02KL4C
EE4CKJ1	EE02KJ4C
EE5CKL1	EE02KL5C
EE5CKJ1	EE02KJ5C

All dimensions are in mm

UL Correlation sheet for Gen Next Entegral Actuator

Flush Head	
Esbee CAT NO.	UL CAT NO.
EE1RFD1	EE02FD1R
EE1GFD1	EE02FD1G
EE1YFD1	EE02FD1Y
EE1CFD1	EE02FD1C
EE1BFD1	EE02FD1B
EE1WFD1	EE02FD1W
EE1AFD1	EE02FD1A
EE2RFD1	EE02FD2R
EE2GFD1	EE02FD2G
EE2YFD1	EE02FD2Y
EE2CFD1	EE02FD2C
EE2BFD1	EE02FD2B
EE2WFD1	EE02FD2W
EE2AFD1	EE02FD2A
EE3RFD1	EE02FD3R
EE3GFD1	EE02FD3G
EE3YFD1	EE02FD3Y
EE3CFD1	EE02FD3C
EE3BFD1	EE02FD3B
EE3WFD1	EE02FD3W
EE3AFD1	EE02FD3A
EE4RFD1	EE02FD4R
EE4GFD1	EE02FD4G
EE4YFD1	EE02FD4Y
EE4CFD1	EE02FD4C
EE4BFD1	EE02FD4B
EE4WFD1	EE02FD4W
EE4AFD1	EE02FD4A
EE5RFD1	EE02FD5R
EE5GFD1	EE02FD5G
EE5YFD1	EE02FD5Y
EE5CFD1	EE02FD5C
EE5BFD1	EE02FD5B
EE5WFD1	EE02FD5W
EE5AFD1	EE02FD5A

Projecting Head Push Function	
Esbee CAT NO.	UL CAT NO.
EE1RPD1	EE02PD1R
EE1GPD1	EE02PD1G
EE1YPD1	EE02PD1Y
EE1CPD1	EE02PD1C
EE1BPD1	EE02PD1B
EE1WPD1	EE02PD1W
EE1APD1	EE02PD1A
EE2RPD1	EE02PD2R
EE2GPD1	EE02PD2G
EE2YPD1	EE02PD2Y
EE2CPD1	EE02PD2C
EE2BPD1	EE02PD2B
EE2WPD1	EE02PD2W
EE2APD1	EE02PD2A
EE3RPD1	EE02PD3R
EE3GPD1	EE02PD3G
EE3YPD1	EE02PD3Y
EE3CPD1	EE02PD3C
EE3BPD1	EE02PD3B
EE3WPD1	EE02PD3W
EE3APD1	EE02PD3A
EE4RFD1	EE02PD4R
EE4GFD1	EE02PD4G
EE4YFD1	EE02PD4Y
EE4CFD1	EE02PD4C
EE4BFD1	EE02PD4B
EE4WFD1	EE02PD4W
EE4AFD1	EE02PD4A
EE5RFD1	EE02PD5R
EE5GFD1	EE02PD5G
EE5YFD1	EE02PD5Y
EE5CFD1	EE02PD5C
EE5BFD1	EE02PD5B
EE5WFD1	EE02PD5W
EE5AFD1	EE02PD5A

Symmetric Head 2 Position	
Esbee CAT NO.	UL CAT NO.
EE1CSK1	EE02SK1C
EE1CSR1	EE02SR1C
EE1CSI1	EE02SI1C
EE2CSK1	EE02SK2C
EE2CSR1	EE02SR2C
EE2CSI1	EE02SI2C
EE3CSK1	EE02SK3C
EE3CSR1	EE02SR3C
EE3CSI1	EE02SI3C
EE4CSK1	EE02SK4C
EE4CSR1	EE02SR4C
EE4CSI1	EE02SI4C
EE5CSK1	EE02SK5C
EE5CSR1	EE02SR5C
EE5CSI1	EE02SI5C
EE4CMD1	EE02MD4C
EE5RMD1	EE02MD5R
EE5GMD1	EE02MD5G
EE5YMD1	EE02MD5Y
EE5CMD1	EE02MD5C

Symmetric Head 3 Position	
Esbee CAT NO.	UL CAT NO.
EE6CSL1	EE02SL6C
EE6CSJ1	EE02SJ6C
EE4CSL1	EE02SL4C
EE4CSJ1	EE02SJ4C
EE5CSL1	EE02SL5C
EE5CSJ1	EE02SJ5C

Lever Head 2 Position	
Esbee CAT NO.	UL CAT NO.
EE1CLK1	EE02LK1C
EE1CLI1	EE02LI1C
EE2CLK1	EE02LK2C
EE2CLI1	EE02LI2C
EE3CLK1	EE02LK3C
EE3CLI1	EE02LI3C
EE4CLK1	EE02LK4C
EE4CLI1	EE02LI4C
EE5CLK1	EE02LK5C
EE5CLI1	EE02LI5C

Lever Head 3 Position	
Esbee CAT NO.	UL CAT NO.
EE3CLL1	EE02LL3C
EE3CLJ1	EE02LJ3C
EE6CLL1	EE02LL6C
EE6CLJ1	EE02LJ6C
EE4CLL1	EE02LL4C
EE4CLJ1	EE02LJ4C
EE5CLL1	EE02LL5C
EE5CLJ1	EE02LJ5C

Robust & Proven Solutions

STANDARD PUSH BUTTONS

- Available in Illuminated & Non Illuminated.
- Snap fit & easy assembly.
- IP 20 terminal and IP 65.
- Electrical life more than 0.5 million and mechanical life more than 1.0 million.
- SMD LED technology.
- Inbuilt LVGP (Low Voltage Glow Protection).
- Passes Surges test 2 KV & HV test of 1.5kV.

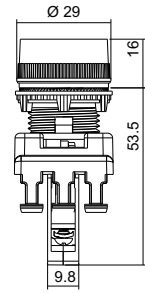


ENDURANCE TEST SET UP FOR ROCKER SWITCHES



Standard Push Button Series-Illuminated

Flush Head Actuator



Colour	Voltage	Part No.
	12V AC/DC	EALR012CFD1
	24V AC/DC	EALR024CFD1
	48V AC/DC	EALR048CFD1
	64V AC/DC	EALR064CFD1
	110V AC	EALR110AFD1
	110V DC	EALR110DFD1
	240V AC	EALR240AFD1
	220V DC	EALR220DFD1

Colour	Voltage	Part No.
	12V AC/DC	EALB012CFD1
	24V AC/DC	EALB024CFD1
	48V AC/DC	EALB048CFD1
	64V AC/DC	EALB064CFD1
	110V AC	EALB110AFD1
	110V DC	EALB110DFD1
	240V AC	EALB240AFD1
	220V DC	EALB220DFD1

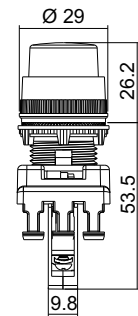
Colour	Voltage	Part No.
	12V AC/DC	EALA012CFD1
	24V AC/DC	EALA024CFD1
	48V AC/DC	EALA048CFD1
	64V AC/DC	EALA064CFD1
	110V AC	EALA110AFD1
	110V DC	EALA110DFD1
	240V AC	EALA240AFD1
	220V DC	EALA220DFD1

Colour	Voltage	Part No.
	12V AC/DC	EALG012CFD1
	24V AC/DC	EALG024CFD1
	48V AC/DC	EALG048CFD1
	64V AC/DC	EALG064CFD1
	110V AC	EALG110AFD1
	110V DC	EALG110DFD1
	240V AC	EALG240AFD1
	220V DC	EALG220DFD1

Colour	Voltage	Part No.
	12V AC/DC	EALY012CFD1
	24V AC/DC	EALY024CFD1
	48V AC/DC	EALY048CFD1
	64V AC/DC	EALY064CFD1
	110V AC	EALY110AFD1
	110V DC	EALY110DFD1
	240V AC	EALY240AFD1
	220V DC	EALY220DFD1

Colour	Voltage	Part No.
	12V AC/DC	EALW012CFD1
	24V AC/DC	EALW024CFD1
	48V AC/DC	EALW048CFD1
	64V AC/DC	EALW064CFD1
	110V AC	EALW110AFD1
	110V DC	EALW110DFD1
	240V AC	EALW240AFD1
	220V DC	EALW220DFD1

Projecting Head Push Function Actuator



Colour	Voltage	Part No.
	12V AC/DC	EALR012CPD1
	24V AC/DC	EALR024CPD1
	48V AC/DC	EALR048CPD1
	64V AC/DC	EALR064CPD1
	110V AC	EALR110APD1
	110V DC	EALR110DPD1
	240V AC	EALR240APD1
	220V DC	EALR220DPD1

Colour	Voltage	Part No.
	12V AC/DC	EALB012CPD1
	24V AC/DC	EALB024CPD1
	48V AC/DC	EALB048CPD1
	64V AC/DC	EALB064CPD1
	110V AC	EALB110APD1
	110V DC	EALB110DPD1
	240V AC	EALB240APD1
	220V DC	EALB220DPD1

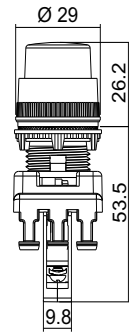
Colour	Voltage	Part No.
	12V AC/DC	EALA012CPD1
	24V AC/DC	EALA024CPD1
	48V AC/DC	EALA048CPD1
	64V AC/DC	EALA064CPD1
	110V AC	EALA110APD1
	110V DC	EALA110DPD1
	240V AC	EALA240APD1
	220V DC	EALA220DPD1


Colour	Voltage	Part No.
	12V AC/DC	EALG012CPD1
	24V AC/DC	EALG024CPD1
	48V AC/DC	EALG048CPD1
	64V AC/DC	EALG064CPD1
	110V AC	EALG110APD1
	110V DC	EALG110DPD1
	240V AC	EALG240APD1
	220V DC	EALG220DPD1


Colour	Voltage	Part No.
	12V AC/DC	EALY012CPD1
	24V AC/DC	EALY024CPD1
	48V AC/DC	EALY048CPD1
	64V AC/DC	EALY064CPD1
	110V AC	EALY110APD1
	110V DC	EALY110DPD1
	240V AC	EALY240APD1
	220V DC	EALY220DPD1


Colour	Voltage	Part No.
	12V AC/DC	EALW012CPD1
	24V AC/DC	EALW024CPD1
	48V AC/DC	EALW048CPD1
	64V AC/DC	EALW064CPD1
	110V AC	EALW110APD1
	110V DC	EALW110DPD1
	240V AC	EALW240APD1
	220V DC	EALW220DPD1


Projecting Head Push -Push Function Actuator





Colour	Voltage	Part No.
	12V AC/DC	EALR012CPF1
	24V AC/DC	EALR024CPF1
	48V AC/DC	EALR048CPF1
	64V AC/DC	EALR064CPF1
	110V AC	EALR110APF1
	110V DC	EALR110DPF1
	240V AC	EALR240APF1
	220V DC	EALR220DPF1

Colour	Voltage	Part No.
	12V AC/DC	EALB012CPF1
	24V AC/DC	EALB024CPF1
	48V AC/DC	EALB048CPF1
	64V AC/DC	EALB064CPF1
	110V AC	EALB110APF1
	110V DC	EALB110DPF1
	240V AC	EALB240APF1
	220V DC	EALB220DPF1

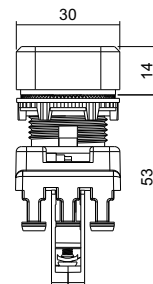
Colour	Voltage	Part No.
	12V AC/DC	EALA012CPF1
	24V AC/DC	EALA024CPF1
	48V AC/DC	EALA048CPF1
	64V AC/DC	EALA064CPF1
	110V AC	EALA110APF1
	110V DC	EALA110DPF1
	240V AC	EALA240APF1
	220V DC	EALA220DPF1


Colour	Voltage	Part No.
	12V AC/DC	EALG012CPF1
	24V AC/DC	EALG024CPF1
	48V AC/DC	EALG048CPF1
	64V AC/DC	EALG064CPF1
	110V AC	EALG110APF1
	110V DC	EALG110DPF1
	240V AC	EALG240APF1
	220V DC	EALG220DPF1


Colour	Voltage	Part No.
	12V AC/DC	EALY012CPF1
	24V AC/DC	EALY024CPF1
	48V AC/DC	EALY048CPF1
	64V AC/DC	EALY064CPF1
	110V AC	EALY110APF1
	110V DC	EALY110DPF1
	240V AC	EALY240APF1
	220V DC	EALY220DPF1

Colour	Voltage	Part No.
	12V AC/DC	EALW012CPF1
	24V AC/DC	EALW024CPF1
	48V AC/DC	EALW048CPF1
	64V AC/DC	EALW064CPF1
	110V AC	EALW110APF1
	110V DC	EALW110DPF1
	240V AC	EALW240APF1
	220V DC	EALW220DPF1

Twin-Touch Actuator

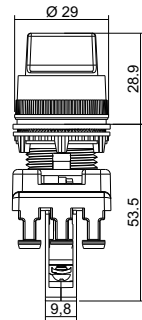


Colour	Voltage	Part No.
	12V AC/DC	EALY012CTD1
	24V AC/DC	EALY024CTD1
	48V AC/DC	EALY048CTD1
	64V AC/DC	EALY064CTD1
	110V AC	EALY110ATD1
	110V DC	EALY110DTD1
	240V AC	EALY240ATD1
	220V DC	EALY220DTD1

Colour	Voltage	Part No.
	12V AC/DC	EALA012CTD1
	24V AC/DC	EALA024CTD1
	48V AC/DC	EALA048CTD1
	64V AC/DC	EALA064CTD1
	110V AC	EALA110ATD1
	110V DC	EALA110DTD1
	240V AC	EALA240ATD1
	220V DC	EALA220DTD1

All dimensions are in mm

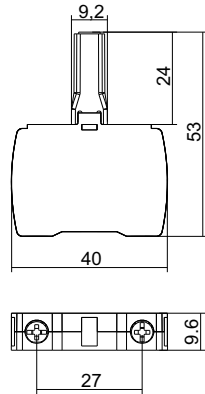
Selector Actuator



Colour	Voltage	Part No. 2 Position	
		Non-Spring Return	Spring Return
●	24V AC/DC	EALR024CSK1	EALR024CSI1
	240V AC	EALR240ASK1	EALR240ASI1
●	24V AC/DC	EALG024CSK1	EALG024CSI1
	240V AC	EALG240ASK1	EALG240ASI1

Colour	Voltage	Part No. 3 Position			
		Non-Spring Return	Spring Return	Spring Return Left Hand	Spring Return Right Hand
●	24V AC/DC	EALR024CSL1	EALR024CSJ1	EALR024CSM1	EALR024CSN1
	240V AC	EALR240ASL1	EALR240ASJ1	EALR240ASM1	EALR240ASN1
●	24V AC/DC	EALG024CSL1	EALG024CSJ1	EALG024CSM1	EALG024CSN1
	240V AC	EALG240ASL1	EALG240ASJ1	EALG240ASM1	EALG240ASN1

Led Holder



Colour	Voltage	Part No.
●	12V AC/DC	EHLR012C
	24V AC/DC	EHLR024C
	30V AC/DC	EHLR030C
	48V AC/DC	EHLR048C
	64V AC/DC	EHLR064C
	110V AC	EHLR110A
	110V DC	EHLR110D
	240V AC	EHLR240A
	220V DC	EHLR220D

Colour	Voltage	Part No.
●	12V AC/DC	EHLB012C
	24V AC/DC	EHLB024C
	30V AC/DC	EHLB030C
	48V AC/DC	EHLB048C
	64V AC/DC	EHLB064C
	110V AC	EHLB110A
	110V DC	EHLB110D
	240V AC	EHLB240A
	220V DC	EHLB220D

Colour	Voltage	Part No.
●	12V AC/DC	EHLA012C
	24V AC/DC	EHLA024C
	30V AC/DC	EHLA030C
	48V AC/DC	EHLA048C
	64V AC/DC	EHLA064C
	110V AC	EHLA110A
	110V DC	EHLA110D
	240V AC	EHLA240A
	220V DC	EHLA220D

Colour	Voltage	Part No.
●	12V AC/DC	EHLG012C
	24V AC/DC	EHLG024C
	30V AC/DC	EHLG030C
	48V AC/DC	EHLG048C
	64V AC/DC	EHLG064C
	110V AC	EHLG110A
	110V DC	EHLG110D
	240V AC	EHLG240A
	220V DC	EHLG220D

Colour	Voltage	Part No.
●	12V AC/DC	EHLI012C
	24V AC/DC	EHLI024C
	30V AC/DC	EHLI030C
	48V AC/DC	EHLI048C
	64V AC/DC	EHLI064C
	110V AC	EHLI110A
	110V DC	EHLI110D
	240V AC	EHLI240A
	220V DC	EHLI220D

Colour	Voltage	Part No.
●	12V AC/DC	EHLW012C
	24V AC/DC	EHLW024C
	30V AC/DC	EHLW030C
	48V AC/DC	EHLW048C
	64V AC/DC	EHLW064C
	110V AC	EHLW110A
	110V DC	EHLW110D
	240V AC	EHLW240A
	220V DC	EHLW220D

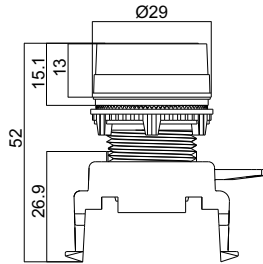
Technical Specifications

Product	Gen Next LED Actuators
Rated Voltage	12V AC/DC, 24V AC/DC, 30V AC/DC, 48V AC/DC, 64V AC/DC, 110V AC, 110V DC, 240V 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

All dimensions are in mm

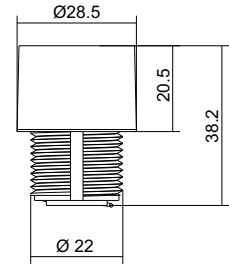
Standard Push Button Series-Non Illuminated

Flush Head Actuator



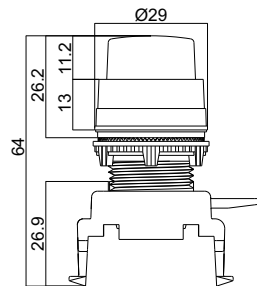
Colour	Part No.
●	HD15C1
●	HD15C2
●	HD15C6
●	HD15C4
●	HD15C7
●	HD15C5
●	HD15C3

Flush Head Actuator With Rod



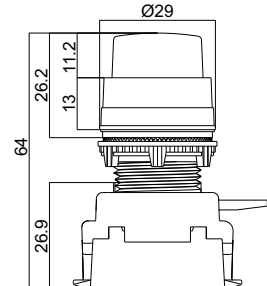
Colour	Part No.
●	EH02FD2R00
●	EH02FD2G00
●	EH02FD2B00
●	EH02FD2Y00
●	EH02FD2A00
●	EH02FD2W00
●	EH02FD2B00

Projecting Head Push Function Actuator



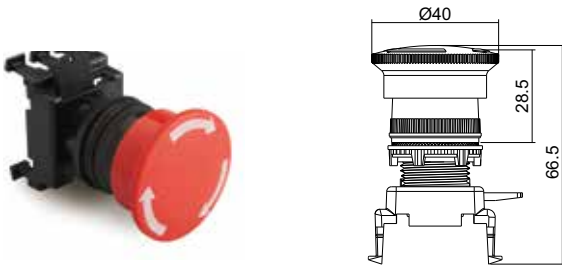
Colour	Part No.
●	HD45C1
●	HD45C2
●	HD45C6
●	HD45C4
●	HD45C7
●	HD45C5
●	HD45C3

Projecting Head Push-Push Actuator



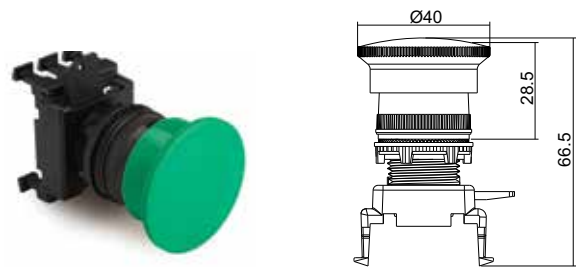
Colour	Part No.
●	HF45C1
●	HF45C2
●	HF45C6
●	HF45C4
●	HF45C7
●	HF45C5
●	HF45C3

Mushroom Head Push Turn Actuator



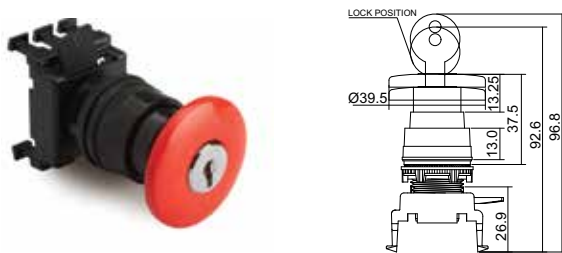
Colour	Part No.
●	HH55C1
●	HH55C2
●	HH55C4
●	HH55C3

Mushroom Head Push Function Actuator



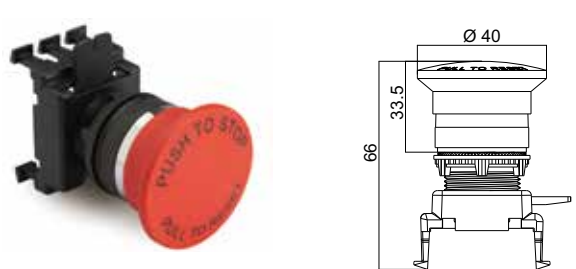
Colour	Part No.
●	HD55C1
●	HD55C2
●	HD55C4
●	HD55C3

Mushroom Head Lock & Key Actuator



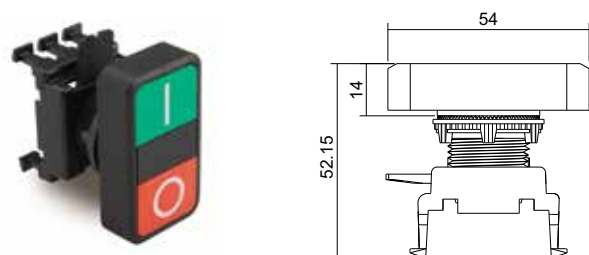
Colour	Part No.
●	HQ55C1
●	HQ55C2
●	HQ55C4
●	HQ55C3

Mushroom Head Push Pull Actuator



Colour	Part No.
●	HG55B1
●	HG55B2
●	HG55B4
●	HG55B3

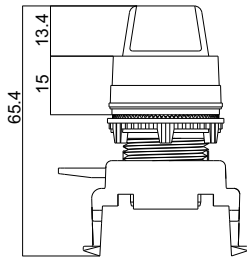
Twin Touch Actuator



Colour	Part No.
●	HD15G3

All dimensions are in mm

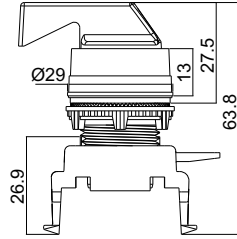
Selector Actuator



Colour	Part No. 2 Position			
	Non-Spring Return 30°	Non-Spring Return 45°	Non-Spring Return 90°	Spring Return 30°
	HK65C1	HR65C1	HT65C1	HI65C1
	HK65C2	HR65C2	HT65C2	HI65C2
	HK65C5	HR65C5	HT65C5	HI65C5
	HK65C3	HR65C3	HT65C3	HI65C3

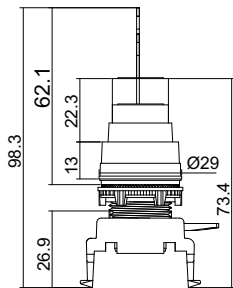
Colour	Part No. 3 Position			
	Non-Spring Return 30°	Spring Return 30°	Non-Spring Return Left Hand 30°	Spring Return Right Hand 30°
	HL65C1	HJ65C1	HM65C1	HN65C1
	HL65C2	HJ65C2	HM65C2	HN65C2
	HL65C5	HJ65C5	HM65C5	HN65C5
	HL65C3	HJ65C3	HM65C3	HN65C3

Lever Head Actuator



Colour	Part No. 2 Position				Colour	Part No. 3 Position			
	Non-Spring Return 30°	Non-Spring Return 45°	Non-Spring Return 90°	Spring Return 30°		Non-Spring Return	Spring Return	Sprin Return Left Hand	Sprin Return Right Hand
●	HK75C3	HR75C3	HT75C3	HI75C3	●	HL75C3	HJ85C3	HM75C3	HN75C3

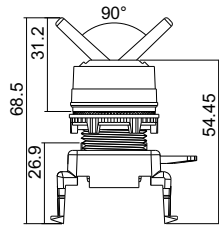
Lock & Key Rotary Actuator



Colour	Part No. 2 Position				Colour	Part No. 3 Position			
	Non-Spring Return 30°	Non-Spring Return 45°	Non-Spring Return 90°	Spring Return 30°		Non-Spring Return	Spring Return	Sprin Return Left Hand	Sprin Return Right Hand
●	HK85C3	HR85C3	HT85C3	HI85C3	●	HL85C3	HJ85C3	HM85C3	HN85C3

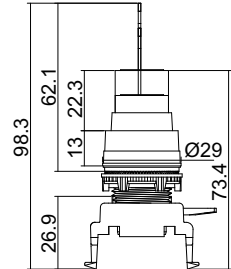
All dimensions are in mm

Tip Head Actuator



Colour	Part No.
●	HP95C1
●	HP95C2
●	HP95C5
●	HP95C3

Lock & Key Push Turn Actuator

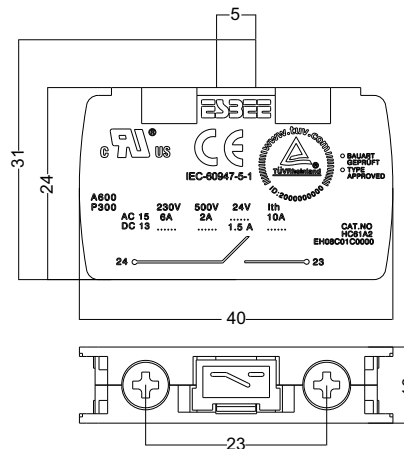


Colour	Part No.
●	HH85C3

Standard Contact Block

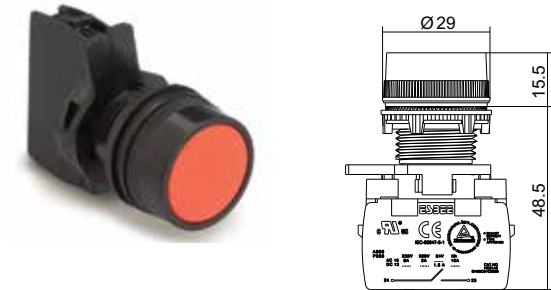


Colour	Contact	Part No
●	NO	HC61A2
	NC	HC61B2



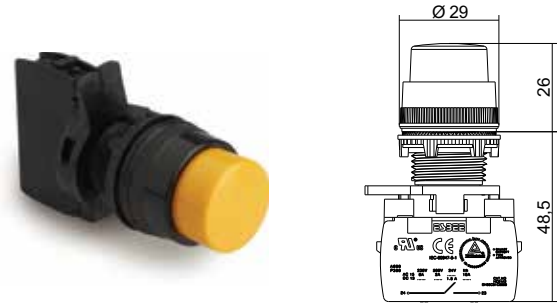
Teekay Series

Flush Head



Colour	Part No.	
	1NC	1NO
●	TD11AB2	TD11AA2
●	TD12AB2	TD12AA2
●	TD16AB2	TD16AA2
●	TD14AB2	TD14AA2
●	TD17AB2	TD17AA2
●	TD15AB2	TD15AA2
●	TD13AB2	TD13AA2

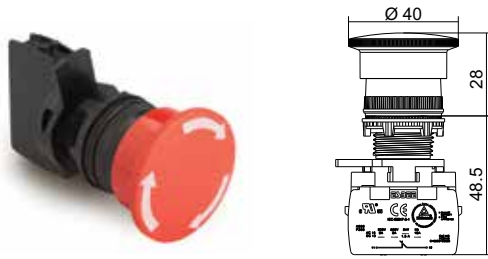
Projecting Head Push Function



Colour	Part No.	
	1NC	1NO
●	TD41AB2	TD41AA2
●	TD42AB2	TD42AA2
●	TD46AB2	TD46AA2
●	TD44AB2	TD44AA2
●	TD47AB2	TD47AA2
●	TD45AB2	TD45AA2
●	TD43AB2	TD43AA2

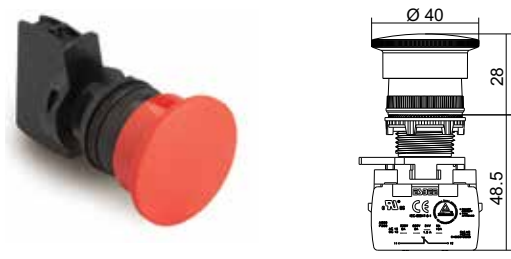
All dimensions are in mm

Mushroom Head Push Turn



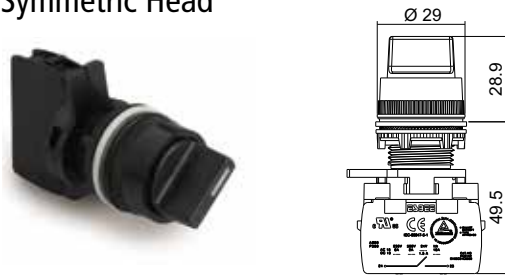
Colour	Part No.	
	1NC	1NO
●	TH51AB2	TH51AA2
●	TH52AB2	TH52AA2
●	TH54AB2	TH54AA2
●	TH53AB2	TH53AA2

Mushroom Head Push Function




Colour	Part No.	
	1NC	1NO
●	TD51AB2	TD51AA2
●	TD52AB2	TD52AA2
●	TD54AB2	TD54AA2
●	TD53AB2	TD53AA2

Symmetric Head



Colour	Contact	Part No.	
		2 Position	
●		Non Spring Return	Spring Return
	1NO	TK63AB2	TI63AB2
	1NC	TK63AA2	TI63AA2

Technical Specifications

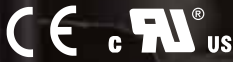
Utilization Category	Supply	IEC - 60947-5-1	UL-508	ITH/Thermal Current		
	AC	AC-15	A600	10A		
	DC	DC-13	P300			
Contact	NO and NC					
Rated Voltage	230V AC	500V AC	24V DC	OR	120V AC	600V AC
Rated Current	6A	2A	1.5A		6A	1.2A
Frequency	50 - 60 Hz					
Electrical Life for Contact	0.5 million Cycle					
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/AMBER					
Disposition of Contact	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 20px;"> <input type="checkbox"/> Contact Open <input checked="" type="checkbox"/> Contact Close </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

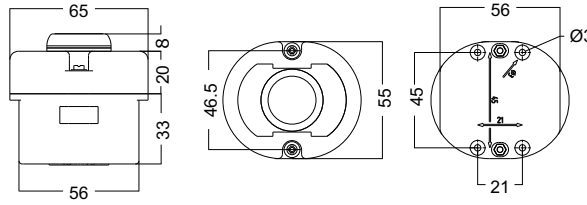
Ergonomically Designed **GEN NEXT STATIONS**

- Sleek, Compact & Unique design .
- Good aesthetics, occupies less space.
- Easy to grip, assemble & operate.
- Robust & maintenance free.
- Comply with safety IEC standards with IP 65 ingress protection .
- Available range of enclosures single, two, three & eight station .

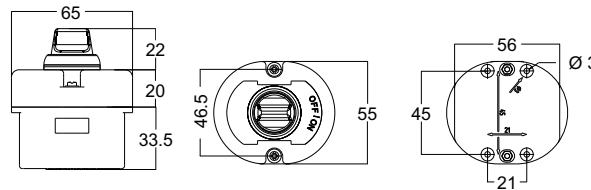


Gen Next Push Button Stations

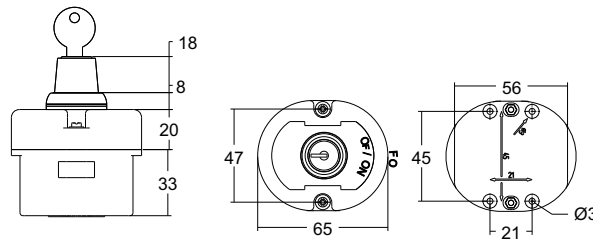
Single Station



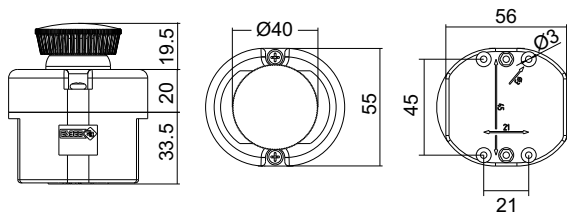
Flush Head Actuator	
Colour	●
Legend	STOP
Contact	1 NC
Cat. No.	EP1FAC01
Colour	●
Legend	START
Contact	1 NO
Cat. No.	EP1FAB02



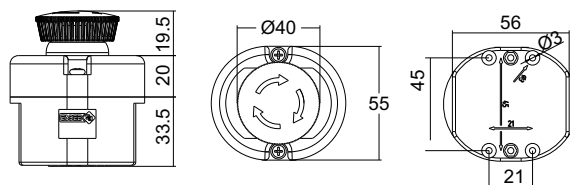
Two Position Symmetric Head	
Legend	OFF / ON
Contact	1 NO
Cat. No.	EP1FAF08



Two Position Lock & Key	
Legend	OFF / ON
Contact	1 NO
Cat. No.	EP1FAF12



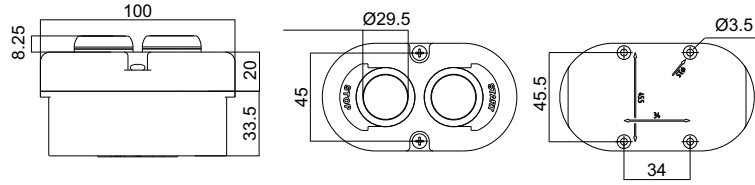
Mushroom Head Actuator (Push Function)	
Legend	STOP
Contact	1 NC
Cat. No.	EP1FAC03



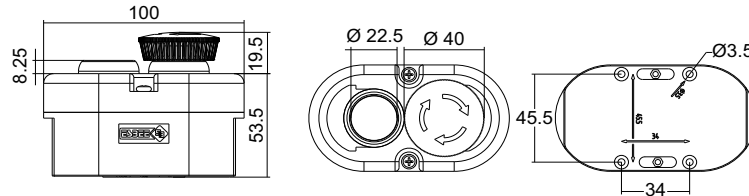
Mushroom Head Actuator (Push Turn Type)	
Legend	STOP
Contact	1 NC
Cat. No.	EP2FAH0201

All dimensions are in mm

Two Station

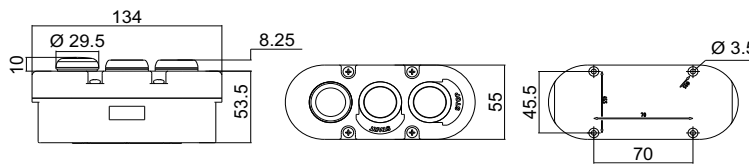


Flush Head Actuator		Flush Head Actuator	
Colour	●	Colour	●
Legend	START	Legend	STOP
Contact	1 NO (Station One)	Contact	1 NC (Station Two)
		Cat. No.	EP2FAH0201

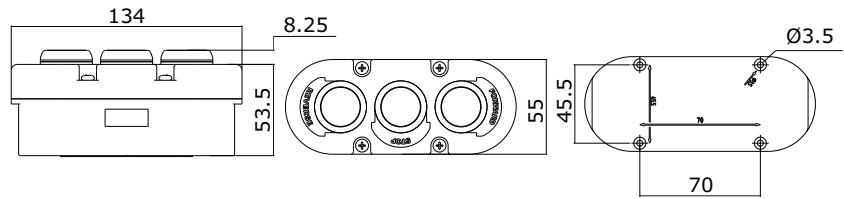


Flush Head Actuator		Mushroom Head Actuator (Push Turn Type)	
Colour	●	Legend	STOP
Legend	START	Contact	1 NC (Station Two)
Contact	1 NO (Station One)	Cat. No.	EP2FAH0205

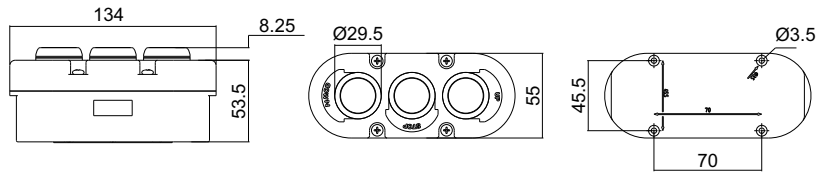
Three Station



LED Indicator 240V AC		Flush Head Actuator	
Colour	● (Station One)	Colour	● (Station Three)
		Legend	STOP
		Contact	1 NC
		Cat. No.	EP3FAUI1X0201
Flush Head Actuator			
Colour	● (Station Two)		
Legend	START		
Contact	1 NO		



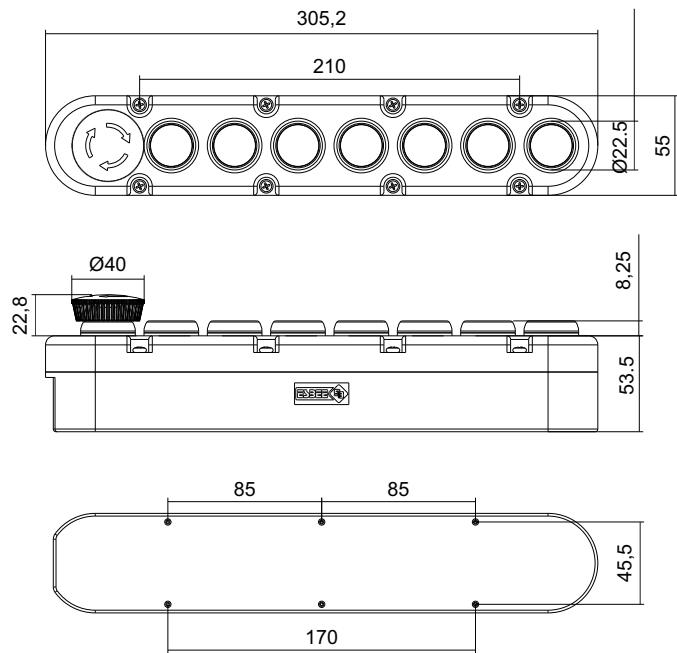
Flush Head Actuator	
Colour	●
Legend	FORWARD
Contact	1 NO (Station One)
Colour	●
Legend	STOP
Contact	1 NC (Station Two)
Colour	●
Legend	REVERSE
Contact	1 NO (Station Three)
Cat. No.	EP3FAR020102



Flush Head Actuator	
Colour	●
Legend	UP
Contact	1 NO (Station One)
Colour	●
Legend	STOP
Contact	1 NC (Station Two)
Colour	●
Legend	DOWN
Contact	1 NO (Station Three)
Cat. No.	EP3FAS020102

All dimensions are in mm

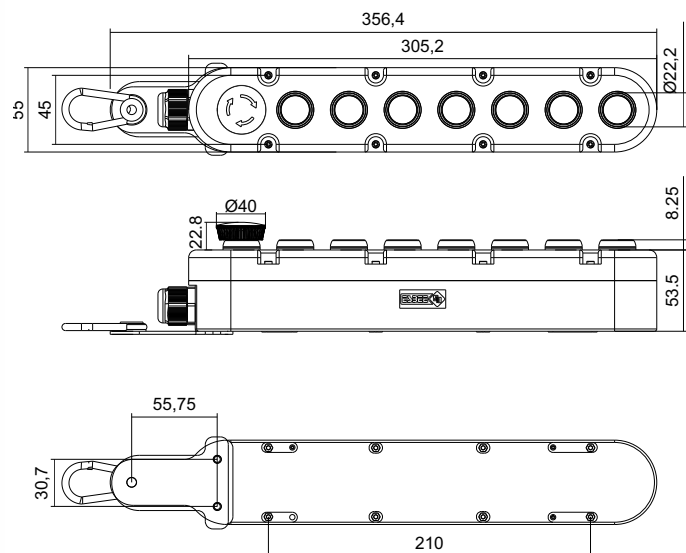
Eight Station



All 7 Flush Head Actuators with NO contact & Mushroom Head Push Turn with NC contact

Cat. No.

EP8F02



**All 7 Flush Head Actuators with NO contact & Mushroom Head Push Turn with NC contact
(with provision for hanging)**

Cat. No.

EP8F04

Gen Next Enclosures



Enclosures	Grey and Black	Yellow and Black
One Hole	EP1FAA	EP1C3AA000
Two Hole	EP2FAA	EP2C3AA000
Three Hole	EP3FAA	EP3C3AA000
Eight Hole	EP8FAA	EP8C3AA000

Note: All Gen Next Push Button Stations are assembled with Entegral Actuators
All Gen Next Enclosures can be assembled only with Entegral Actuators

Technical Specification

- 1. Degree of Protection :** IP 65 for Push Button Enclosure with Indicators & Actuators
- 2. Safety :** Fully insulated to hose electrical & electronic equipment w.r.t. protection against electric shock.
- 3. Material :** Bottom Cover : Tough, Impact resistant & fire retardant ABS.
Top Cover : Tough, Impact resistant & fire retardant ABS.
Gasket : Nitrile rubber, which is good resistant to Oil & acids.
Screws : Half threaded Self tapping Cold Forged Screws with blacodising.

4. Dimensions :

Type of Enclosure	Single	Two	Three	Eight
Size in mm (Length, Width, Depth)	65x55x33	100x55x53	134x55x53	305x55x53

Screw Size for wall Mounting : M3.5 mm Insertion of screws directly through base cover.

Maintenance:

Do not need any particular maintenance. If necessary soap and water can be used for cleaning. If detergent is used, enclosure should be rinsed well clean water. Do not use any solvents to clean the enclosures.

Chemical resistance:

ABS Products are almost completely resistant to aqueous acids, alkalis and salts, Concentrated phosphoric and

hydrochloric acids have little effect. Low KB solvents, alcohols and animal / vegetable / mineral oils produce insignificant changes. Aromatic or chlorinated hydrocarbons and high KB solvents cause marked swelling. Esters ketones and unsaturated alkalis are solvents for ABS and should not be used.

Temperature Range:

Long term exposure to temperatures above 70° C should be avoided. No significant change in impact strength is noticed up to -20° C.

All dimensions are in mm

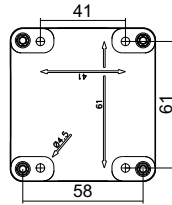
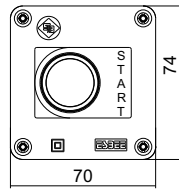
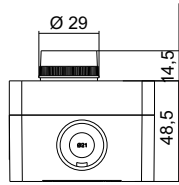
Tough & Impact Resistant **STANDARD STATIONS**

- Tough and Impact resistance.
- Chemical resistance.
- Comply with safety IEC standards with IP 65 Ingress protection.
- Fully Insulated to house electrical and electronic equipment.

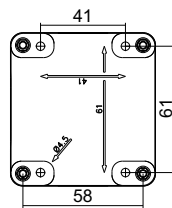
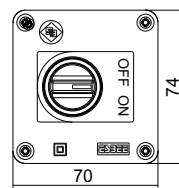
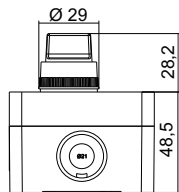


Standard Push Button Stations

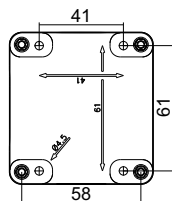
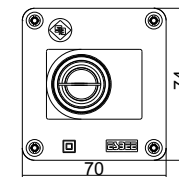
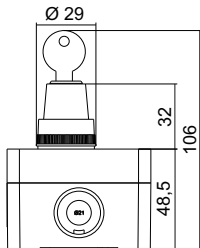
Single Station



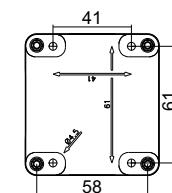
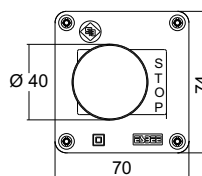
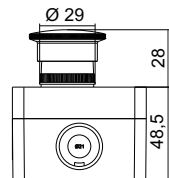
Flush Head Actuator	
Colour	●
Legend	STOP
Contact	1 NC
Cat. No.	JAA10000
Colour	●
Legend	START
Contact	1 'NO'
Cat. No.	JAB20000



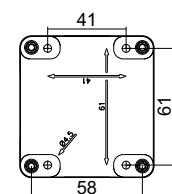
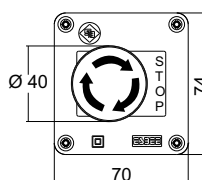
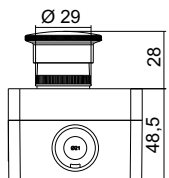
Two Position Symmetric Head Selector Switch	
Colour	●
Legend	OFF / ON
Contact	1 NO
Cat. No.	JAH20000



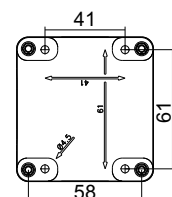
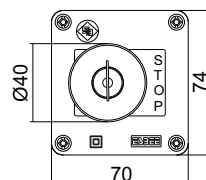
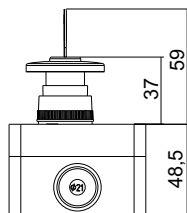
Two Position Lock & Key Rotary Switch	
Legend	OFF / ON
Contact	1 NO
Cat. No.	JAI20000



Mushroom Head Actuator 'Push Function'	
Legend	STOP
Contact	1 NC
Cat. No.	JAE10000

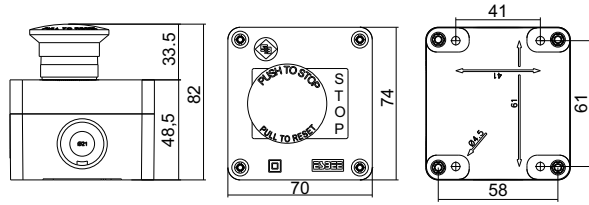


Mushroom Head Actuator 'Push Turn Type'	
Legend	STOP
Contact	1 NC
Cat. No.	JAF10000



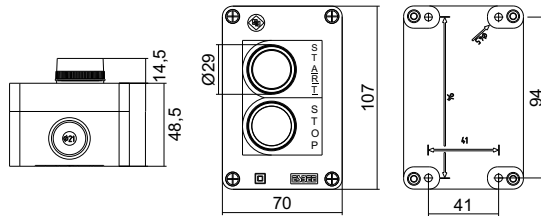
Mushroom Head Actuator with Lock & Key	
Legend	STOP
Contact	1 NC
Cat. No.	JAG10000

All dimensions are in mm

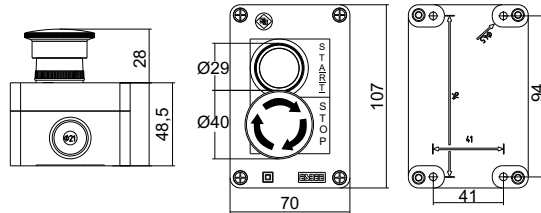


Mushroom Head Push Pull	
Legend	STOP
Contact	1 NC
Cat. No.	TJ51AB2

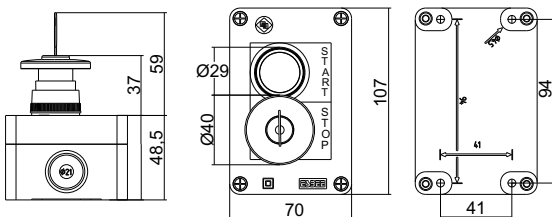
Two Station



Flush Head Actuator	
Colour	●
Legend	START
Contact	1 NO (Station One)
Colour	●
Legend	STOP
Contact	1 NC (Station Two)
Cat. No.	JBB2A100

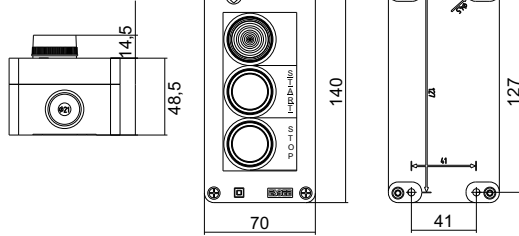


Flush Head Actuator	
Colour	●
Legend	START
Contact	1 NO (Station One)
Mushroom Head Actuator Push Turn Type	
Legend	STOP
Contact	1 NC (Station Two)
Cat. No.	JBB2F100



Flush Head Actuator	
Colour	●
Legend	START
Contact	1 NO (Station One)
Mushroom Head Lock & Key Actuator	
Legend	STOP
Contact	1 NC (Station Two)
Cat. No.	JBB2G100

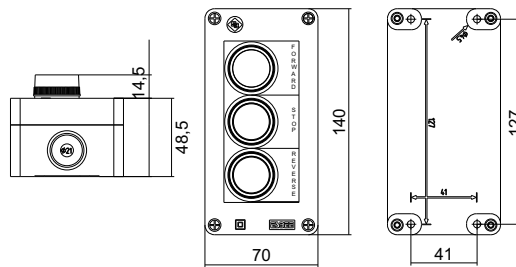
Three Station



LED Indicator 240V AC	
Colour	○ (Station One)

Flush Head Actuator	
Colour	●
Legend	START
Contact	1 NO (Station Two)

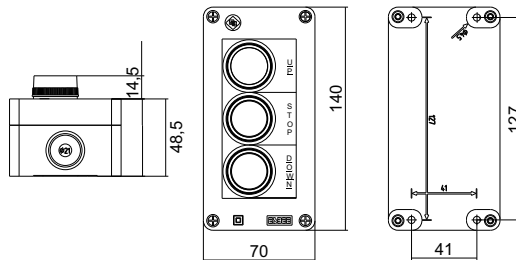
Colour	●
Legend	STOP
Contact	1 NC (Station Three)
Cat. No.	JCZ4B2A1



Flush Head Actuator	
Colour	●
Legend	FORWARD
Contact	1 NO (Station One)

Colour	●
Legend	STOP
Contact	1 NC (Station Two)

Colour	●
Legend	REVERSE
Contact	1 NO (Station Three)
Cat. No.	JDB2A1B2



Flush Head Actuator	
Colour	●
Legend	UP
Contact	1 NO (Station One)

Colour	●
Legend	STOP
Contact	1 NC (Station Two)

Colour	●
Legend	DOWN
Contact	1 NO (Station Three)
Cat. No.	JEB2A1B2

All dimensions are in mm

Enclosures



Push Button Station Enclosures

All Gray 1 hole of Ø22.5

Cat. No.	HF999004
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All Gray & 2 hole of Ø22.5

Cat. No.	HF999005
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All Gray & 3 holes of Ø22.5

Cat. No.	HF999003
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Single hole yellow cover & Gray Base

Cat. No.	HF995001
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1 Station Enclosure

(maximum 4 NO/NC)

Cat. No.	HF999026
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All Purpose Enclosures

All Gray Without hole

Cat. No.	HF999000
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All Gray & 1 hole of Ø22.5

Cat. No.	HF999001
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All Gray & 2 holes of Ø22.5

Cat. No.	HF999002
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4 Station Enclosure (maximum 3 NO/NC per push button)

Cat. No.	HF999024
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Spare Front Connection for Blocks for Standard Push Button Station



Spare Contact Block (for Push Button Stations)

NO Contact Block

Cat. No. HC42A2

NC Contact Block

Cat. No. HC42B2



1 NO + 1 NC Contact Block

Cat. No. HC42C2

2 NO Contact Block

Cat. No. HC42D2

2 NC Contact Block

Cat. No. HC42E2

Technical Specifications

- Degree of Protection :** IP 65 for Push Button Enclosure with Indicators & Actuators
- Safety :** Fully insulated to hose electrical & electronic equipment w.r.t. protection against electric shock.
- Material :** Bottom Cover : Tough, Impact resistant & fire retardant ABS.
Top Cover : Tough, Impact resistant & fire retardant ABS.
Gasket : Nitrile rubber, which is good resistant to Oil & acids.
Screws : Half threaded Self tapping Cold Forged Screws with blacodising.

4. Dimensions :

Type of Enclosure	Single	Two	Three	Eight	All Purpose
Size in mm (Length, Width, Depth)	74 x 70 x 48.5	107 x 70 x 48.5	140 x 70 x 48.5	170 x 85 x 80	110 x 80 x 65

Screw Size for wall Mounting : M3.5 mm Insertion of screws directly through base cover.

Maintenance:

Do not need any particular maintenance. If necessary soap and water can be used for cleaning. If detergent is used, enclosure should be rinsed well clean water. Do not use any solvents to clean the enclosures.

Chemical resistance:

ABS Products are almost completely resistant to aqueous acids, alkalis and salts, Concentrated phosphoric and

hydrochloric acids have little effect. Low KB solvents, alcohols and animal / vegetable / mineral oils produce insignificant changes. Aromatic or chlorinated hydrocarbons and high KB solvents cause marked swelling. Esters ketones and unsaturated alkalis are solvents for ABS and should not be used.

Temperature Range:

Long term exposure to temperatures above 70° C should be avoided. No significant change in impact strength is noticed up to -20° C.

All dimensions are in mm

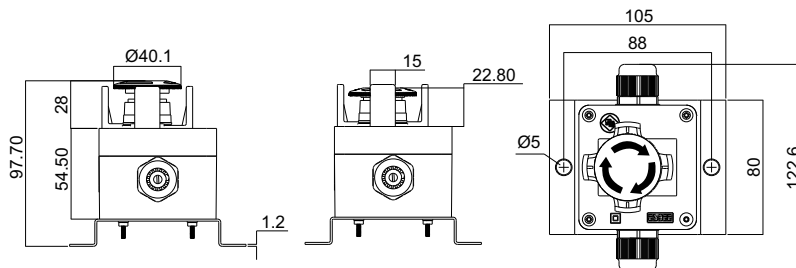
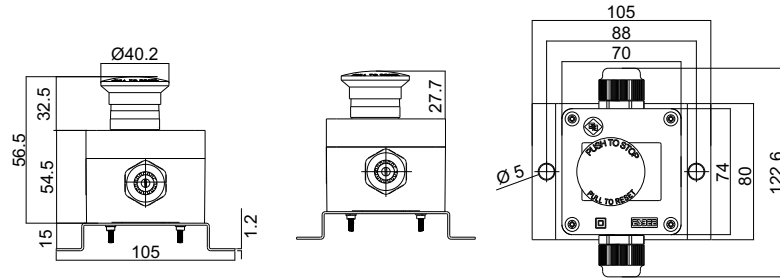
Dependable and Safe PRODUCTS FOR ELEVATORS

- ABS Engineering Plastic material resistant to ageing, impact, corrosion & non conductive to heat unlike metal enclosure.
- Fire retardant.
- Robust & total maintenance free.
- IP65 Protection.
- Fully insulated to house electrical & electronic equipment w.r.t. protection against electric shock.
- Temperature Resistance from -20°C to 70°C.



Elevator Products

Pit Switches



Part No.	Type of Switch	Type of contact	No's of contact	Cable Gland	Qty of Cable gland	Protecting Shroud	Mounting Bracket
JMJB0000	Mushroom Head Push Pull	NC	1	PG 13.5	2	NA	MS Yellow Passivation
JJJE0000	Mushroom Head Push Pull	NC	2	PG 13.5	1	NA	MS Yellow Passivation
JLFB0000	Mushroom Head Push Turn	NC	1	PG 13.5	2	1	MS Yellow Passivation
JKFE0000	Mushroom Head Push Turn	NC	2	PG 13.5	1	1	NA
JKFB0000	Mushroom Head Push Turn	NC	1	NA	NA	1	NA
JQFB0000	Mushroom Head Push Turn	NC	1	PG 13.5	1	1	NA

Note: For your customized / special requirement of pit switches please contact our sales team.

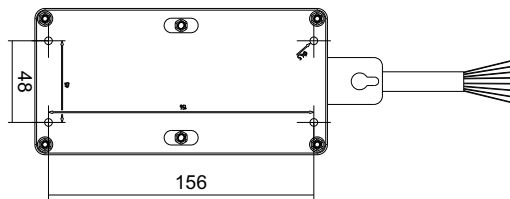
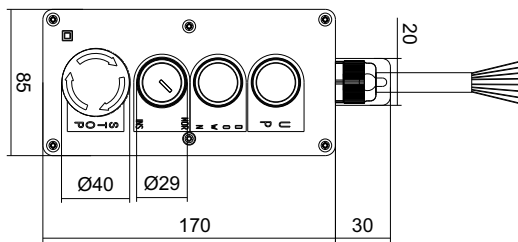
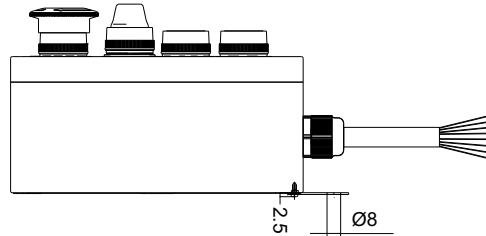
All dimensions are in mm

Car Top Box



4 Way Push Button Station

Cat No.	EJ4C3AN028
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Note: For your customized / special requirement of car top box please contact our sales team.

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	500V AC	24V DC	OR	120V AC	600V AC
Rated Current	6A	2A	1.5A		6A	1.2A
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/AGCdo					
Insulation Resistance at 500 VDC	50 M Ø					
Operating Torque	0.8 Nm					
Contact Resistance	20 M Ø					
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/AMBER					
Disposition of Contact	<div style="display: flex; align-items: center; justify-content: 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

Unique Solution for Unique Needs

LED SOLUTIONS

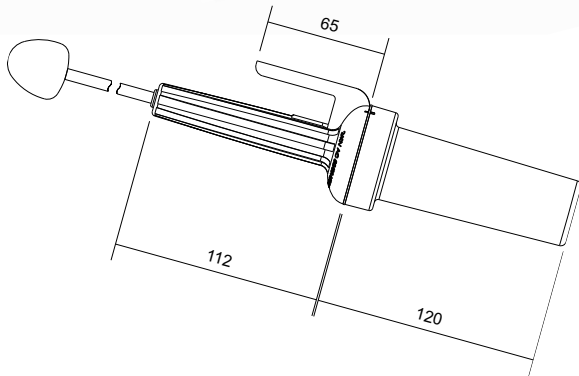
FOR ELEVATORS

- Customized solution for different elevators application.
- Low power consumption.
- LED's with long life of close to 0.1 million continuous burning hrs .
- Passes surge test 2kV & HV test of 1.5kV
- Low power consumption.
- -20°C to 70°C.

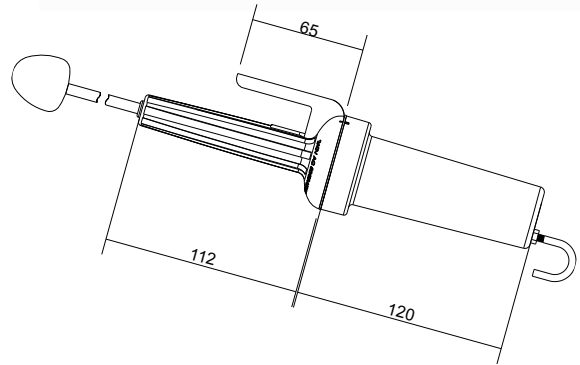


LED Solutions

LED Torch



LED Torch with Hook



LED Torch	
Cat. No.	IL24D07
Colour (8th Digit)	W - White
Voltage (9th, 10th, 11th & 12th Digit):	024 C - 24V AC/DC
	110 A - 110 V AC
	240 A - 240 V AC

Features

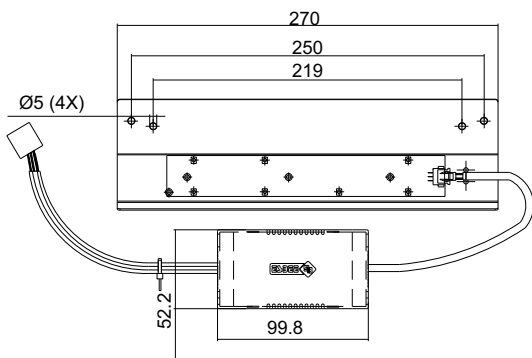
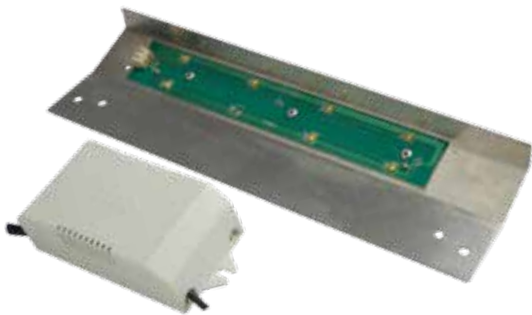
- Light weight & Maintenance free.
- 24 bright LED's offering a spectrum of illumination.
- LED's with Long life of close to 0.1 million continuous burning hours.
- IP Protection IP 54.
- Product made of engineering plastic making it more robust, impact proof, corrosion resistant & fire retardant.
- Low power consumption – less than 3 watts.
- Mounting hook provision.
- LED torch is devoted to offering the light with the highest quality during elevator maintenance.
- Can be used for inspecting critical operations.
- Cable length available as per requirement.

Technical Specifications

Rated Voltage	240V AC, 110V AC, 24V AC/DC
Limit of Operating Voltage	-20% to +10% of Rated Voltage
LED's	5 mm Th. Hole LEDs
Colours Available	White
Life	0.1 million burning hour
LED Arrangement	Cluster
Colour Temperature	6000°K- 7000°K
No. of LED's	24
Operating Frequency	50 / 60 Hz
Operating Temperature	-25°C to 65°C
Storage Temperature	-30°C to 70°C
Surge Test	2 kV
HV Test for 60 sec.	2.5 kV
EMI/ EMC Protection	2 kV
IP Protection	IP 54
Power Consumption (240V)	3W
Contact	0.75 Sq.mm - 0.75 Sq.mm
Mounting	Hook arrangement is provided

All dimensions are in mm

Car Light

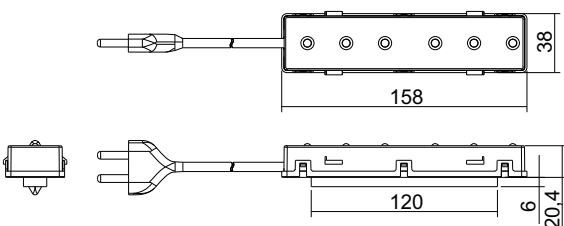


Car Light	
Cat. No.	IL07K27W240A

Technical Specifications

Rated Voltage	95-265V AC
LED's	SMD LED
Colours Available	White
Life	0.1 Million Switching Cycle
Colour Temperature	5000°K -7000°K
Viewing Angle	120°
No. of LED Used	7
Operating Frequency	50 / 60 Hz
Operating Temperature	-25°C to 65°C
Storage Temperature	-30°C to 70°C
Surge Test	3kV
HV Test	2.5kV
EMI/EMC Protection	3kV
Input Power	19W
Output Voltage	21V DC
Electrical Efficiency	0.78%
Output Current	800 ma to 900 ma
Primary Overvoltage Protection	Available
Secondary short Circuit Protection	Available
Secondary open Circuit Protection	Available
Power Supply IP Protection Class	54

LED with Magnet



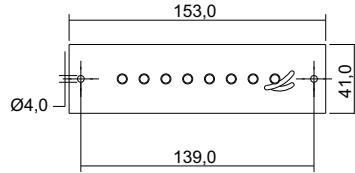
Technical Specifications

Rated Voltage	240V AC/110V AC
Limit of Operating Voltage	-20% to +10% of rated voltage
LED's	Through Hole LED's
Colour Available	White
Life	0.1 million burning hours
Operating Temperature	-25°C to 65°C
Storage Temperature	-30°C to 70°C
Surge Test	3kV
HV Test for 60 sec.	2.5kV
Power Consumption (240V)	0.6W

LED with Magnet	
Voltage	Cat. No.
240V AC	IL06A00W240A
110V AC	IL06A00W110A

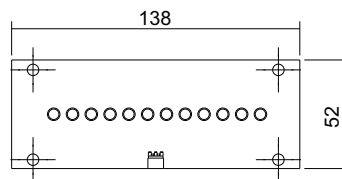
Emergency Lighting

8 LED Strip



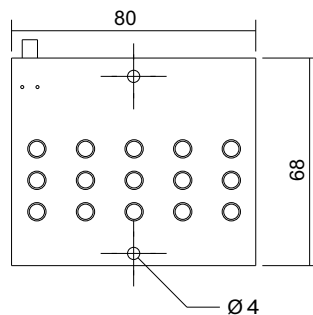
8 LED Strip	
Cat. No.	LT00G08
Color	White
Voltage	12 V DC

12 LED Strip



12 LED Strip	
Cat. No.	IL12A05W012D
Color	White
Voltage	12 V DC

15 LED Strip



15 LED Strip	
Cat. No.	IL15B13W012D
Color	White
Voltage	12 V DC

Technical Specifications

Product	8 LED PCB	12 LED PCB	15 LED PCB
Rated Voltage	12V DC	12V DC	12V DC
Limit of Operating Voltage	-20% to +10% of Rated voltage	-20% to +10% of Rated voltage	-20% to +10% of Rated voltage
No. of LED's	5 mm Through Hole 8 LEDs	5 mm Through Hole 12 LEDs	5 mm Through Hole 15 LEDs
Colours Available	White	White	White
Life	0.1 million burning hour	0.1 million burning hour	0.1 million burning hour
Operating Temperature	-25°C to 65°C	-25°C to 65°C	-25°C to 65°C
Storage Temperature	-30°C to 70°C	-30°C to 70°C	-30°C to 70°C
HV Test for 60 sec.	2kV	2kV	2kV
Power Consumption	< 0.6W	< 0.6W	< 0.6W

Note: For your customized / special requirement of Emergency Lighting please contact our sales team.

All dimensions are in mm

Accessories

Standard Series



First Row Clip	
Cat. No.	HC922002



Single Leg Clip	
Cat. No.	HE102000



Second Row Clip (For Vertical Cascading)	
Cat. No.	HC122030



Side Row Clip (For Horizontal Cascading)	
Cat. No.	HC929002



Protecting Shroud	
Cat. No.	HF195004



Protecting Shroud for Selector Actuator	
Cat. No.	HB105006



Yellow legend plate	
Cat. No.	HB135000



Fixing Device	
Cat. No.	HH192000



Adaptor Ring (For 30 to 22mm in Panel Cutout Conversion)	
Color	Cat. No.
Gray	HH180000
Chrome Plated ABS	HH182004
Black ABS	HH196006



Collar (For Flush/Projecting Head)		
Color	Standard Series	Gen Next Series
	Cat. No.	Cat. No.
Chrome Plated ABS	HB192000	HB192006
Black ABS	HB196000	HB192003
Brass	HB326000	HB192002
PU Coated ABS	-	HB192013



Spare Lens Cap for Flush Head Non Illuminated Actuators	
Color	Cat. No.
●	HB103002
●	HB104000
●	HB102006
●	HB105008
●	HB101004
●	HB107010
●	HB108012



Shroud for Actuator	
Color	Cat. No.
●	HH152002
●	HH153003
●	HH154004
●	HH155005
○	HH150100



Metal Plates - Spare	
Cat. No.	HH2420124



Blanking Plugs	
Color	Cat. No.
Gray	HH180002
Black ABS	HH182009
Chrome Plated ABS	HH196010



Center indication Strip (For Twin Touch Actuator)	
Color	Cat. No.
●	HB102058
●	HB105163
●	HB108169
○	HB100161



Cable Tie Holder	
Cat. No.	CTHC3797
Length of Screw Body	37 mm
Cable Entry Width L	9.7 mm



Cable Gland	
Cat. No.	CG□□□□
Color (3rd Digit)	●
	●
Size (4th, 5th & 6th Digit)	009-PG9
	011-PG11
	013-PG13.5
	016-PG16
	018-PG18
	021-PG21



Cable Tie				
Cat. No.	CTC030072	CTC025072	CTC020072	CTC015072
Length	300 mm	250 mm	200 mm	150 mm
Width	7.2 mm	7.2 mm	7.2 mm	7.2 mm

Customized Solutions

Push Buttons with Customized Laser Printing (Text/Symbol)



Gen Next Series Actuators with PU coated plastic collar



Gen Next Series Actuators with chrome plated brass collar



Car Top Box



Andons



Note: *For your customized / special requirement of pit switches please contact our sales team.
*Printing as per customer requirement.



Esbee Electrotech LLP

Corporate Office & Factory : S-42/1, M.I.D.C., Bhosari, Pune 411026 Maharashtra, INDIA.Tel.: +912046907300

Factory 1: J-159, M.I.D.C., Bhosari, Pune 411026 Maharashtra, INDIA.

Factory 2: C-29, M.I.D.C., Ahmednagar, 414111 Maharashtra, INDIA.

Email: info@esbee-electrotech.com

Website: www.esbee-electrotech.com