

R-Series Pushbuttons, Selector Switches



LED Pilot Light's Modular 22mm + 30mm



Pushbuttons

22 mm, NEMA 4, IP65



IEC 947-1

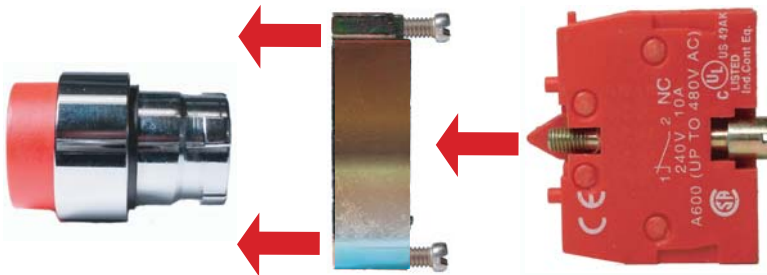
-13° + 158°F Ambient Temp

Pushbuttons and Selectors
1 million mechanical Oper.
Emergency Stop
300,000 Operations

1th10 Amp, 600Volt
A600, Q600

FEATURES

- High Gloss Chrome
 - Rugged Design
 - Very Bright LED's (22 & 30mm)
 - Modular Design
 - Secure Screw Mounting
 - Self Cleaning Contacts
 - Stackable Contacts
 - Positive Open Contacts →
- Per IEC - 609 47 - Parts

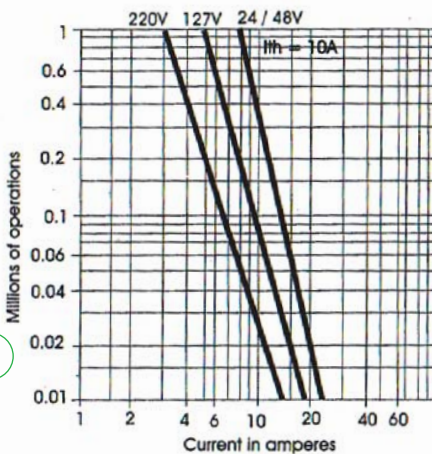


Metal
Chrome
Bezel

Steel Block Holder
Included with operators

Bolt - On
Contact
Block

A Secure + Safe System Versus Snap on Contacts



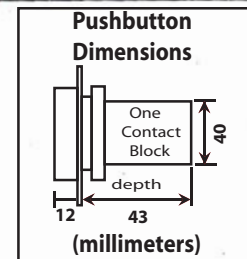
AC Ratings, Inductive - NEMA A600
35% Power Factor

Volts	Make Amperes	VA	Break Amperes	VA	Continuous carrying Amperes	Resistive 75% Power factor Make, Break & continuous Amperes
120	60	7200	6	720	10	10
240	30	7200	3	720	10	10
480	15	7200	1.5	720	10	10
600	12	7200	1.2	720	10	10

DC Ratings, UL Type Q600
Inductive and resistive Amps

Volts	Amps Make & Break	Amps Continuous
125	0.55	2.5
250	0.27	2.5
600	0.10	2.5

Minimum AC/DC 17 Volts, 25mA



“R” Series 22mm Pushbuttons Rugged Steel Design

● NEMA 4

● IP65

● cULus

● CE

Momentary Pushbuttons with operator head flush with bezel.

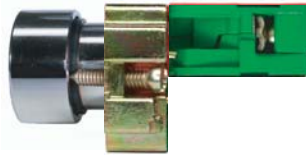
Description	Part # Operator Head Only	List Price \$4.00
Green	R-G	
Red	R-R	
Black	R-B	
Yellow	R-Y	
Blue	R-BL	
White	R-W	
  	R-AR	

Arrow can be mounted in any direction

Pushbutton
With ONE Contact
Add “-10” Normally open
Add “-01” Normally closed

\$9.00 List Price Includes
Pushbutton + One Contact

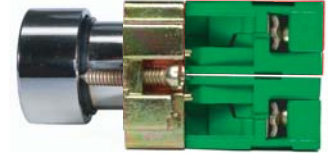
Part # Example:
R-G-10 (Green Button
with 1N.O. Contact)



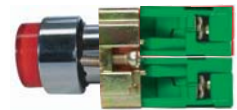
PB With TWO Contacts
Add “-20” Two N.O.
Add “-02” Two N.C.
Add “-11” One N.O. & N.C.

\$14.00 List Price Includes
Pushbuttons + 2 Contacts

Part # Example:
R-G-20 (Green Button
with 2N.O. Contact's)



Above Momentary Pushbuttons with Extended Operator Head Add “-E” to part #. Same Price.



Part # Example: **R-RE-11** = **RED Extended** Head P.B. with 1 N.O. & 1N.C. contacts \$14.00

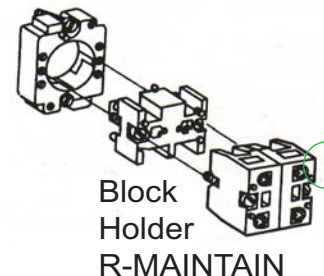
For Mushroom Momentary Pushbutton with 40mm Head Add “-M” to above part # and add + \$2.00.



Part # Example: **R-RM-** \$6.00 = **RED** Mushroom P.B.

Accessory: To Convert All Above Pushbuttons to Maintained Pushbuttons
Part # R-MAINTAIN \$5.00 list.






1. Push once for “ON” (Remains depressed).
2. Push a second time to return to “OFF” (Returns to Original State.)



**“R” - Series
Illuminated Devices**

- NEMA4
- IP65
- cUL US
- CE
- 10 Amp 600 VAC

Illuminated Devices

 LED Operator Only: \$4.50 list price	 LED \$4.50	 Mushroom - 40mm Head	  \$10.00 \$10.00																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Flush Button Clear Bezel</th> <th style="width: 50%;">Part #</th> </tr> <tr> <td>Green</td> <td>R-GL</td> </tr> <tr> <td>Red</td> <td>R-RL</td> </tr> <tr> <td>Yellow</td> <td>R-YL</td> </tr> <tr> <td>Blue</td> <td>R-BLL</td> </tr> </table>	Flush Button Clear Bezel	Part #	Green	R-GL	Red	R-RL	Yellow	R-YL	Blue	R-BLL	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Extended Pushbutton Part#</th> <th style="width: 50%;">Momentary \$7.00</th> <th style="width: 50%;">Maintained Push / Pull \$10.00</th> </tr> <tr> <td>Green</td> <td>R-GL-MO</td> <td>R-GL-MA</td> </tr> <tr> <td>Red</td> <td>R-RL-MO</td> <td>R-ESTOP-L</td> </tr> <tr> <td>Yellow</td> <td>R-YL-MO</td> <td></td> </tr> <tr> <td>Blue</td> <td>R-BLL-MO</td> <td></td> </tr> </table>	Extended Pushbutton Part#	Momentary \$7.00	Maintained Push / Pull \$10.00	Green	R-GL-MO	R-GL-MA	Red	R-RL-MO	R-ESTOP-L	Yellow	R-YL-MO		Blue	R-BLL-MO		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">Maintained Selector Switch</th> </tr> <tr> <th style="width: 50%;">2 Position</th> <th style="width: 50%;">3 Position</th> </tr> <tr> <td>Green</td> <td>R-GL-2</td> </tr> <tr> <td>Red</td> <td>R-RL-2</td> </tr> <tr> <td>Yellow</td> <td>R-YL-2</td> </tr> <tr> <td>Blue</td> <td>R-BLL-2</td> </tr> </table>		Maintained Selector Switch		2 Position	3 Position	Green	R-GL-2	Red	R-RL-2	Yellow	R-YL-2	Blue	R-BLL-2
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Incandescent Bulbs		Incandescent Bulbs																																						

Pushbuttons Only

Light Sockets + LED Bulb
Add * **Suffix** to designate voltage.

Description	Part #	List Price
Exclusively for Illuminated Pushbuttons		
LED - Green	R-G-LED-*	\$11.00
LED - Red	R-R-LED-*	\$11.00
LED - Yellow	R-Y-LED-*	\$11.00
LED - Blue	R-B-LED-*	\$24.00

***Add to end of part #**

AC/DC Voltage	* Suffix
12	-M
24	-G
48	-O
110	-A
220AC	-C

Mushrooms + Selector ONLY

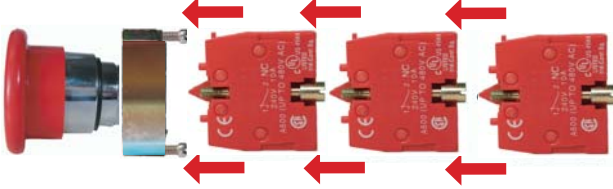


Exclusively for use on mushroom + selector switches:

Light socket + Incandescent bulb.
Add * suffix to designate voltage

Part # R-T-* \$ 6.50 List

Transformer Socket with 6V Bulb Contact Factory




Side View 3 Max. Blocks

Stackable Contacts

3 MAX. Contact Blocks,
Per Row (2 rows)
= 6 Poles Max.

Rear View



Row: 1 2

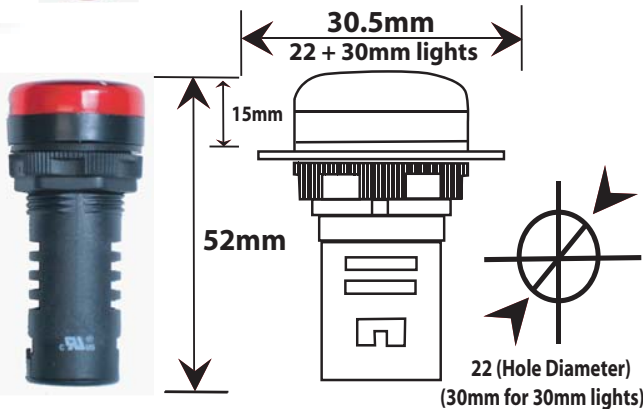
Terminal Marking Numbers	Maximum Six Poles Per Operator			
	10A Contact Block	600A	Part #	List Price
3 - 4	Normally Open		R-NO	\$ 5.00
13 - 14	Normally Open		R-NO1314	\$ 5.00
1 - 2	Normally Closed		R-NC	\$ 5.00
21 - 22	Normally Closed		R-NC2122	\$ 5.00
1 - 2	N.C. with Gold Flash		R-NC-G	\$12.00
3 - 4	N.O. with Gold Flash		R-NO-G	\$12.00

Gold Contacts 17V, 10mA Min AC/DC

LED Pilot Light's Modular 22mm + 30mm



Dimensional Data



List Price \$22.00 Per Light
100 + pcs. mix qty. \$16.00 Per Light

Part Numbers	Colors
B22LED-R-*	RED
B22LED-G-*	GREEN
B22LED-Y-*	YELLOW
B22LED-B-*	BLUE
B22LED-W-*	WHITE

***Add Voltage Suffix:**

(*) Add Suffix for Colors	
-A	110VAC
-C	220VAC
-G	24VAC/DC
-O	48VAC/DC
-D	380VAC
-M	12VAC/DC

For 30mm LED pilot light simply Add suffix "30" to end of part # - Add \$9 to list.

Example - B22LED-R-A-30 \$31.00 List.



APPROVALS


EN 60947-5-1


- Operational Temperature - $-13^{\circ} + 130^{\circ}\text{F}$
- Protection Degree NEMA 4X - IP65
- Current Draw $-I_e \text{ MA} < 80 - (6, 12\text{v})$
20- (24, 48), 110, 220V.
- Brightness = $-\text{cd}/\text{M}^2 \geq 60$
- AC Rated Frequency = -50/60 HZ
- Saddle Clamp Screw Terminals.
- Mounting - 22mm or 30mm hole diameter.**




"R" - Series Selector Switches

● NEMA 4

● IP65



● 10 Amp 600 VAC

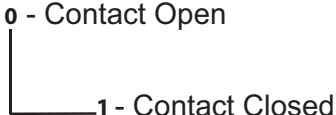
 (Short Lever)	Two Position Description	Lever Handle	\$9.00 list Part #
	Two Position Maintained	Short	R-2M
	Two Position Spring Return to Center	Long	RL-2M
		Short	R-2R
Long	RL-2R		


Contact Actuation

Example with N.O. Contact # RN-O Mounted on the Left or Right Side.

0 - Contact Open

1 - Contact Closed

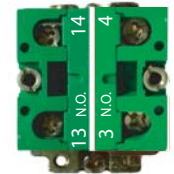


 (Long Lever)	Three Position		\$9.00 Part#
	Maintained	Short	R-3M
		Long	RL-3M
	Spring Return to Center	Short	R-3R
		Long	RL-3R
	Spring Return Left to center	Short	R-3SLeft
Long		RL-3SLeft	
Spring Return Right to center	Short	R-3SRight	
	Long	RL-3SRight	

Example with one N.O. on Left side and One N.O. on the Right Side.

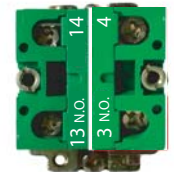
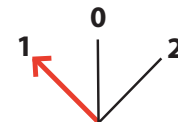
Lever Position from **machine operators view of lever**

The two N.O. Contacts **View from inside enclosure cover.**



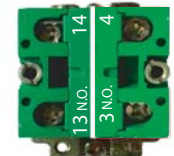
3 Position Switch

Open Open





3 Position Switch

Open Closed



3 Position Switch

Closed Open

 \$12.00 List	Key Switches	\$12.00 List	Part #
	Two Position Maintained	Key Removal Both Positions	R-2KEY
		Left Position	R-2KEYL
Right Position		R-2KEYR	
Spring Return Right to Left	Left Position	R-KEYC	
 \$12.00 List	Three Position Key Switches		Part #
	Maintained	All Position Removal	R-3KEY-AP
		CENTER ONLY	R-3KEY-C
		RIGHT + LEFT ONLY	R-3KEY-RL
		RIGHT ONLY	R-3KEY-R
LEFT ONLY	R-3KEY-L		

(Two Keys Provided as Standard with all Key Switches.)

Spring Return Key Removal Center Position ONLY	Spring Return to Center	R-3KEY-CSTOC \$12.00 List
	Spring Return From Right to Center	R-3KEY-CSTRT \$12.00 List

Refer to AEG Selector +Key Switch Catalog Pages for SIXTY Additional Versions.

Maximum Six Poles Per Operator

Contact Block	Part #	List Price
Normally Open	R-NO	\$ 5.00
Normally Closed	R-NC	\$ 5.00
N.O. with Gold Flash	R-NO-G	\$12.00
N.C. with Gold Flash	R-NC-G	\$12.00

Discount Schedule B



"R" Series 22mm Pushbuttons Emergency Stopbutton & Stations

● NEMA4

● IP65



Emergency Stop Mushroom - Maintained, Twist to Release, Red.

Part# **R-ESTOP-01** \$18.00 (1N.C.) **40mm Head.**

Part# **R-ESTOP-60-01** \$18.00 (1N.C.) **60mm Head.**

Name Plate Included



For two poles change "-01" to: ("-02" for 2N.C.) (" -11"for 1N.C. +1N.O.) \$23.00 List.
Part # Example: **R-ESTOP-06-02** \$23.00 List = 60mm head + 2N.C.

Key to release option : Part# **R-ESTOP-KEY-01** \$24.00 (1N.C.)

Name Plate Included (40mm head)



Enclosed Emergency STOP PB Stations Maintained Twist to Release.



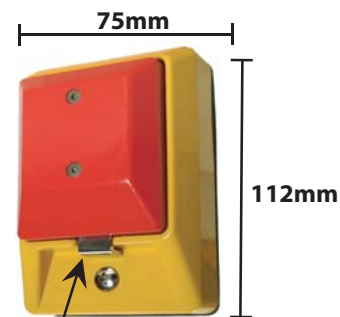
Description Includes 1N.C.	Part #	List Price
Plastic - R Series	R-ESTOP-01-P	\$38.00
Aluminum - R Series	R-ESTOP-01-A	\$46.00
ABS - Plastic AEG Series EN418	B22-S4-114-01	\$79.00

For two pole Change "-01" to: ("-02" for 2N.C.) (" -11"for 1N.C. +1N.O.)

Add + \$5.00 List. Part # Example: **R-ESTOP-02P** \$43.00 List = 2N.C.

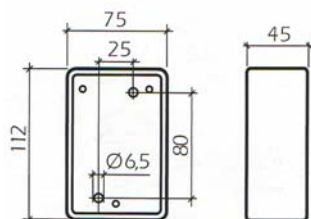
Emergency Palm Pushbutton

Description	Part #	List Price	<u>Illuminated</u> Part #	List Price
Maintained	060EPAR	\$130.00	060EPADR	\$156.00
Momentary	060EPR	\$115.00	060EPDR	\$138.00
Palm Button Enclosure	060S (GREY)	\$12.00	060SG (Yellow)	\$12.00

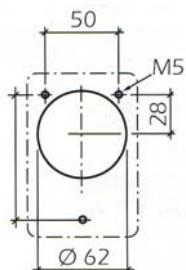


Mechanical Latch on Maintained Palm Buttons

UL, CSA, CE NEMA 4, IP65, 600V, 10 Amp Thermal Current, 6 Amp 110V, 3A 220V Make & Break Current.



Enclosure



Mounting Holes



Side View



Side View

Discount Schedule B



**“R” - Series
Pushbuttons**

- NEMA4
- IP65
- cUL_{US}
- CE
- 10 Amp 600 VAC

NEMA 1 Rated Dual Start / Stop Momentary Pushbuttons cUL_{US}

(Boot Fits R-S-STPL Version)			Assembled Pushbuttons with 1 N.O. + 1N.C. Contacts				
Operator only							
Part #	R-S-ST	R-S-STPL	BSC-DT Boot	Part #	R-S-ST-11	R-S-STPL-11-* (includes bulb)	EXT-ST-11-* (includes bulb)
List Price	\$5.00	\$6.00	\$6.00	List Price	\$15.00	\$24.00	\$12.00

Terminal Marking Numbers	Contact Block	10A	600 A	Part #	List Price
3 - 4	Normally Open			R-NO	\$5.00
13 - 14	Normally Open			R-NO1314	\$5.00
1 - 2	Normally Closed			R-NC	\$5.00
21 - 22	Normally Closed			R-NC2122	\$5.00
1 - 2	N.C. with Gold Flash			R-NC-G	\$12.00
3 - 4	N.O. with Gold Flash			R-NO-G	\$12.00

Light Sockets + Bulb
Add * **Suffix** to designate voltage.

Description	Part #	List Price
Incandescent	R-K-*	\$ 7.00
LED - Yellow	R-Y-LED-*	\$10.00

* Add to end of part #

AC/DC Voltage	* Suffix
12	-M
24	-G
48	-O
130	-A

Part # Example :R-K-A
(130V White Incandescent bulb + socket)

Pushbutton Stations - IP65

Refer to page 175 for factory assembled stations.



22mm Holes	Part #	List Price
Thermoplastic		
1	R-1PBP	\$14.00
2	R-2PBP	\$15.00
3	R-3PBP	\$16.00
4	R-4PBP	\$21.00
1(yellow)	R-1PBPY	\$14.00



Aluminum Die Cast		
1	R-1PBA	\$20.00
2	R-2PBA	\$24.00
3	R-3PBA	\$24.00
4	R-4PBA	\$29.00



“R” - Series Accessories


● NEMA 4


● IP65

● cULus





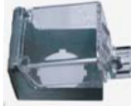


● CE

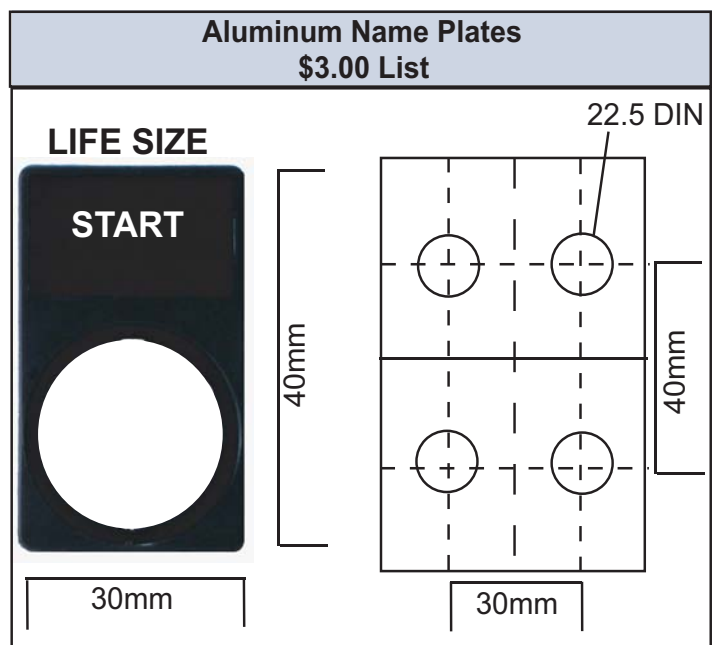
● 10 Amp 600 VAC

 NEMA 4X Rubber Boot Recommended for wash down Applications	Boot Colors \$4.00	Non - Illuminated PART #
	CLEAR	R-BOOT
	GREEN	R-GBOOT
	RED	R-RBOOT
	AMBER	R-ABOOT
	BLUE	R-BBOOT

Emergency Stop Name Plates \$4.00		
	Diameter Part #	
	60mm Plastic	R-60PESTOP
	90mm Plastic	R-90PESTOP
	60mm Aluminum	R-60AESTOP
	90mm Aluminum	R-90AESTOP

Illuminated Pushbuttons Clear BOOT Part # R-BOOTCL

 Block Holder	Spare Steel Block Holder (for Non-illuminated Devices) R-Block \$2.00
 Incandescent spare bulbs \$4.00	Part # includes Voltage (AC/DC) R-BULB-6V R-BULB-12V R-BULB-24V R-BULB-48V R-BULB-130V
 Spade Connection	Quick connect (male) for “Fast - On” “QC” wiring method Part # R-QC \$0.50 List Price
 Spare Key	Part# R-Key \$2.00 List
 Padlock Cover	Part # R-Cover for Pushbuttons ONLY \$6.00 List
 30 to 22mm Hole Adaptor	Part # R-30 - 22 \$2.00 List
 Bulb Remover	Part # R-TOOL \$4.00 List



LEGEND PART #	\$3.00 List
R-OFF	R-STOP START
R-STOP	R-OPEN
R-START	R-RESET
R-FOWARD	R-CLOSE
R-REVERSE	R-HIGH LOW
R-UP	R-AUTO
R-DOWN	R-HAND
R-HAND OFF AUTO	R-FAST
R-EMERGENCY STOP	R-SLOW
R-OFF ON	R-HIGH
R-INCH	R-LOW
R- Blank	R-Run



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SAFETY SALES INC.**

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