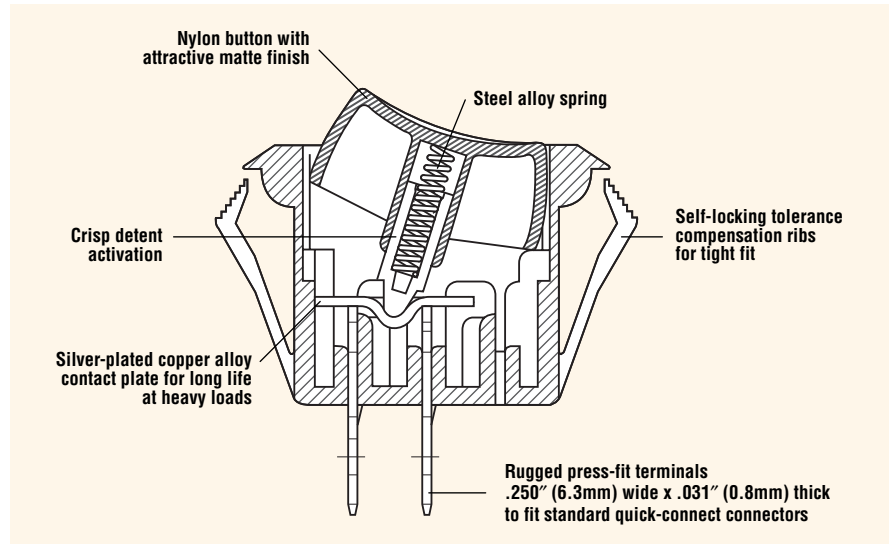


## COMPACT ROCKER SWITCH

# GR Series

### Features

- Economical 15 amp switching
- Lighted and non-lighted versions
- Available in a wide variety of colors
- Single- and double-throw options
- Optional wire leads available
- Mechanical life: min. 50,000 operations



### Electrical Ratings

Switch Series	EN61058 Rating	UL1054 Rating	Electrical Life at Rated Load	
			According to VDE (Min. Operations)	According to UL (Min. Operations)
GR	N/A	15A, 125VAC; 10A, 250VAC	N/A	6,000

### Specifications

#### Electrical

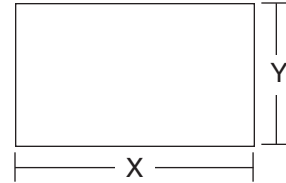
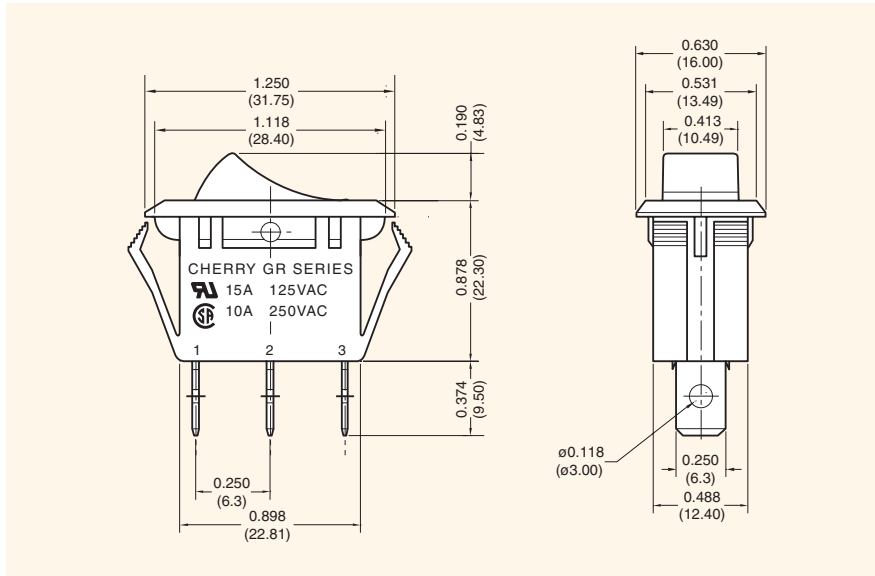
Dielectric Strength:	1000VAC for 1 minute
Insulation Resistance:	10 <sup>8</sup> ohms min at 500VDC
Initial Contact Resistance:	.020 ohms max
Temperature Range:	-20°C to +85°C

#### Materials

Actuator (non-lighted):	Nylon 66 94V-2
Actuator (lighted):	Polycarbonate
Housing:	Nylon 66 94V-2
Base:	Nylon 66 94V-2
Spring:	Steel Wire
Contact Plate:	Copper Alloy
Terminals:	Tin-Plated Copper Alloy



### Dimensions inches (mm)



Z = Panel Thickness

### Recommended Panel Cut-Out Dimensions

inches (mm)

Dim. Z	Dim. X	Dim. Y
0.030 to 0.049 (0.76 to 1.25)	1.120 (28.45)	0.535 (13.59)
0.049 to 0.079 (1.25 to 2.01)	1.130 (28.70)	0.535 (13.59)
0.079 to 0.118 (2.01 to 3.00)	1.150 (29.21)	0.535 (13.59)

### Examples of Common Part Numbers and Descriptions inches (mm)

Part Number	Circuitry	Switch Function	Terminal Type	Actuator/ Housing Color	Legend Marking
GRF22N2BBBNN		On - Off	0.250 (6.3) Quick-Connect	Black/ Black	
GRF22N2FBBNN		On - Off	0.250 (6.3) Quick-Connect	Black/ Black	
GRF23N2BBBNN		On - On	0.250 (6.3) Quick-Connect	Black/ Black	
GRF22N2BBRLN		On - Off/Lighted	0.250 (6.3) Quick-Connect	Red/ Black	

### Ordering Information

<b>GR</b> Series	<b>F</b> Code F Contact Rating 15A, 125VAC (UL, CSA) 10A, 250VAC (UL, CSA)	<b>2</b> Code 2 Circuitry Single-Pole	<b>2</b> Code 2 Switch Function On - Off	<b>3</b> Code 3 Switch Function On - On	<b>N</b> Code 2 Actuator Type Curve	<b>F</b> Code B Housing Color Black	<b>B</b> Code W Housing Color White	<b>Y</b> Code Y Housing Color Grey	<b>C</b> Code C Housing Color Brown	<b>B</b> Code N Lighted Non-Lighted	<b>L</b> Code L Lighted Lighted (Bulb 125VAC)	<b>E</b> Code E Lighted Lighted (Bulb 250VAC)	<b>G</b> Code G Lighted Lighted 6VDC Incandescent	<b>H</b> Code H Lighted Lighted 12VDC Incandescent	<b>N</b> Code N Body Type No Splashproof Rocker Boot
	<b>N</b> Code N Terminal Type inches (mm) 0.250 (6.3) QC, Straight				<b>C</b> Code C Actuator Marking LO IH										
					<b>D</b> Code D Actuator Marking OFF NO										
					<b>E</b> Code E Actuator Marking O I										
					<b>F</b> Code F Actuator Marking O -										
					<b>K</b> Code K Actuator Marking OFF ON										
						<b>B</b> Code B Actuator Color Black									
						<b>G</b> Code G Actuator Color Green									
						<b>A</b> Code A Actuator Color Amber									
						<b>R</b> Code R Actuator Color Red									
						<b>Y</b> Code Y Actuator Color Grey									
						<b>C</b> Code C Actuator Color Brown									
						<b>M</b> Code M Actuator Color Yellow									
						<b>W</b> Code W Actuator Color White									