Double-Pole Rocker Switch
FR Series

Nylon button available in a variety of colors
Nylon housing
Steel alloy spring
Nickel-plated carbon steel roller ball
Self-locking compensation ribs for tight fit
Silver contact
Silver-plated copper alloy contact
Rugged press-fit terminals
0.187≤(4.8 mm) x 0.031≤(0.8 mm)

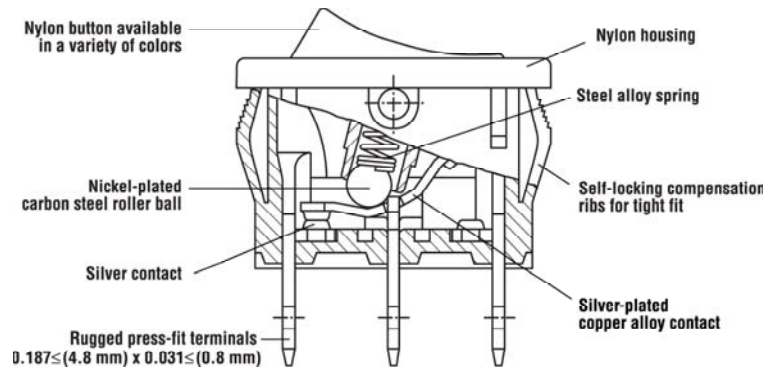## Features

- 12 amp switching in a compact design
- Single-throw and double-throw options
- Choice of actuator and housing color
- 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)
FR	16(4)A, 250V~, T125/55	12A, 125/250VAC	10,000	6,000

Electrical Specifications

Ratings:	12A, 125/250VAC (cULus) 16A, (4) 250V~, T125/55 (VDE)
Dielectric Strength:	1000VAC for 1 minute
Insulation Resistance:	100M ohms min at 500VDC
Initial Contact Resistance:	0.030 ohms max
Temperature Range:	-20°C to + 125°C (VDE) -20°C to + 55°C (UL)

Material Specifications

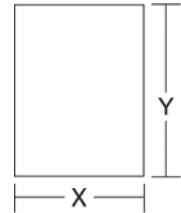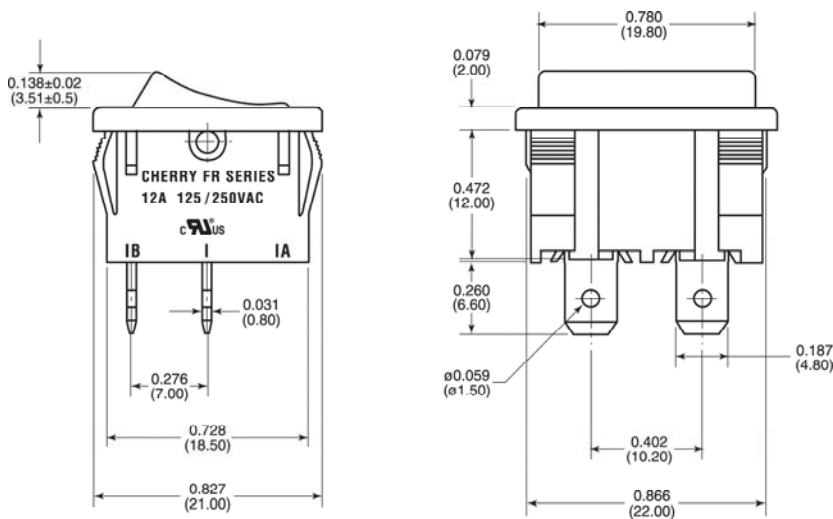|	
Actuator:	Nylon 66 94V-2
Base:	Nylon 66 94V-2
Spring:	Steel Wire
Contacts:	Silver Alloy
Movable Arm:	Silver-Plated Copper Alloy
Terminals:	Tin-Plated Copper Alloy

RoHS Compliant
UL File No: E23301

Specifications subject to change without notice.

CHERRY

Double-Pole Rocker Switch

FR Series

Recommended Panel Cut-Out Dimensions
inches (mm) ±0.002 (0.005)

Dim. Z	Dim. X	Dim. Y
0.030 to 0.049 (0.76 to 1.25)	0.752 (19.15)	0.862 (21.90)
0.049 to 0.079 (1.24 to 2.00)	0.760 (19.35)	0.862 (21.90)
0.079 to 0.118 (2.01 to 3.00)	0.775 (19.75)	0.862 (21.90)

Ordering Information

FR H 2 2 A 2 F B B N N

Series

Code	Circuitry
2	Single-Pole
3	Double-Pole

Code	Contact Rating
H	12A 125/250VAC (UL, cUL) 16(4)A 250V~ T125 (VDE)

Code	Switch Function
2	On – Off
3	On – On

Code	Terminal Type inches (mm)
A	0.187 (4.80) Quick-Connect
U	0.118 (3.0) Solder Tag

Code	Actuator Type
2	Curve – One Color

Code	Actuator Marking
B	Blank
C	LO HI
D	OFF ON
E	O I
F	O –
G	•

Code	Housing Color
B	Black
W	White
Y	Grey

Code	Actuator Color
B	Black
D	Orange
G	Green
R	Red
W	White
Y	Grey

Code	Lighted
N	Non-Lighted

Code	Body Type
N	No Splashproof Rocker Boot

Examples of Common Part Numbers and Descriptions inches (mm)

Part Number	Circuitry	Switch Function	Terminal Type	Actuator/ Housing Color	Legend Marking
FRH32A2DBBNN		On – Off	0.187 (4.80) Quick-Connect	Black/ Black	ON OFF
FRH33A2BBBNN		On – On	0.187 (4.80) Quick-Connect	Black/ Black	
FRH32A2BBBNN		On – Off	0.187 (4.80) Quick-Connect	Black/ Black	
FRH32A2FWWNN		On – Off	0.187 (4.80) Quick-Connect	White/ White	o –
FRH32A2BBWNN		On – Off	0.187 (4.80) Quick-Connect	White/ Black	
FRH32A2FBBNN		On – Off	0.187 (4.80) Quick-Connect	Black/ Black	o –

Contact

The manufacturer accepts no liability for errors or non-availability, and reserves the right to change specifications without prior notice.

Technical data relates to product specifications only. Features may differ from those described. Only drawings combined with product specifications shall be deemed binding.

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