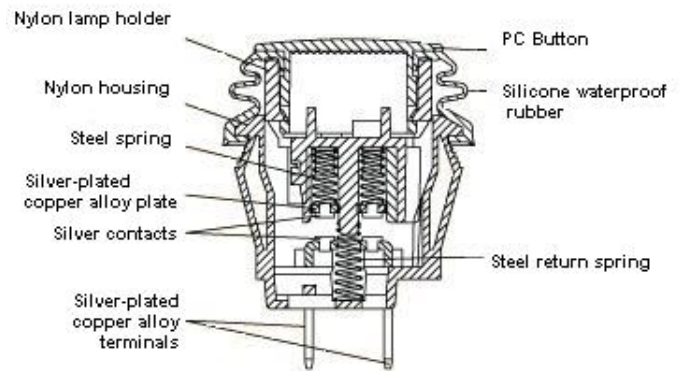


Waterproof Round Pushbutton

KF Series



Features

- Enclosed switch complies to IP65
- Available in single or double pole
- Lighted and non-lighted versions
- Maintained and momentary switch functions
- Snap-in mounting
- Mechanical life: 100,000 cycles
- DC electrical life: 10,000 cycles

Electrical Ratings

Switch Series	VDC		UL1054 Rating	Electrical Life at Rated Load
				According to UL (Min. Operations)
KF	20A 14VDC; 10A 28VDC		10A 125V AC; 6A 250 VAC 1/2HP; 125/250 VAC	6,000

Electrical Specifications		Material Specifications	
Ratings:	10A 125 VAC; 6A 250 VAC; ½ HP 125/250 VAC	Actuator:	Polycarbonate 94V-2
Dielectric Strength:	1500VAC for 1 minute	Housing:	Nylon 66 94V-2
Insulation Resistance:	100M Ω min at 500VDC	Spring:	Steel
Initial Contact Resistance:	0.050 ohms max	Contacts:	Silver Alloy
Temperature Range:	-25°C to + 85°C	Movable Arm:	Silver plated Copper Alloy
Waterproof Rating:	IP65	Terminals:	Silver plated Copper Alloy
		Rubber Boot:	Silicone



RoHS Compliant
UL File No: E23301

Specifications subject to change without notice.

KF Series

Technical drawing of the 2000 series connector, showing three views: top, side, and front. The drawing includes detailed dimensions for various components and features.

Top View Dimensions:

- Overall diameter: $\varnothing 780 \pm .008$ [$\varnothing 19.8 \pm 0.2$]
- Inner diameter: $\varnothing 906 \pm .012$ [$\varnothing 23.0 \pm 0.3$]
- Dimension A: $.421 \pm .004$ [10.7 ± 0.1]
- Dimension B: $.295 \pm .020$ [7.5 ± 0.5] OFF
- Dimension C: $.079 \pm .008$ [2.0 ± 0.2]
- Dimension D: $.197 \pm .020$ [5.0 ± 0.5] ON
- Dimension E: $\varnothing 1.024$ [$\varnothing 26.00$]
- Dimension F: $.118 \pm .012$ [3.0 ± 0.3]
- Dimension G: $.354 \pm .020$ [9.0 ± 0.5]
- Dimension H: $.571 \pm .012$ [14.5 ± 0.3]
- Dimension I: $2X .315 \pm .020$ [8.0 ± 0.5]
- Dimension J: $4X \varnothing .055 \pm .008$ [$\varnothing 1.4 \pm 0.2$]
- Dimension K: $4X .187 \pm .004$ [4.75 ± 0.1]
- Dimension L: $4X .031 \pm .002$ [0.8 ± 0.05]
- Dimension M: $2X .354 \pm .020$ [9.0 ± 0.5]

Front View Dimensions:

- Overall diameter: $\varnothing 780 \pm .008$ [$\varnothing 19.8 \pm 0.2$]
- Inner diameter: $\varnothing 906 \pm .012$ [$\varnothing 23.0 \pm 0.3$]
- Dimension A: $.421 \pm .004$ [10.7 ± 0.1]
- Dimension B: $.295 \pm .020$ [7.5 ± 0.5] OFF
- Dimension C: $.079 \pm .008$ [2.0 ± 0.2]
- Dimension D: $.197 \pm .020$ [5.0 ± 0.5] ON
- Dimension E: $\varnothing 1.024$ [$\varnothing 26.00$]
- Dimension F: $.118 \pm .012$ [3.0 ± 0.3]
- Dimension G: $.354 \pm .020$ [9.0 ± 0.5]
- Dimension H: $.571 \pm .012$ [14.5 ± 0.3]
- Dimension I: $2X .315 \pm .020$ [8.0 ± 0.5]
- Dimension J: $4X \varnothing .055 \pm .008$ [$\varnothing 1.4 \pm 0.2$]
- Dimension K: $4X .187 \pm .004$ [4.75 ± 0.1]
- Dimension L: $4X .031 \pm .002$ [0.8 ± 0.05]
- Dimension M: $2X .354 \pm .020$ [9.0 ± 0.5]

Side View Dimensions:

- Overall diameter: $\varnothing 780 \pm .008$ [$\varnothing 19.8 \pm 0.2$]
- Inner diameter: $\varnothing 906 \pm .012$ [$\varnothing 23.0 \pm 0.3$]
- Dimension A: $.421 \pm .004$ [10.7 ± 0.1]
- Dimension B: $.295 \pm .020$ [7.5 ± 0.5] OFF
- Dimension C: $.079 \pm .008$ [2.0 ± 0.2]
- Dimension D: $.197 \pm .020$ [5.0 ± 0.5] ON
- Dimension E: $\varnothing 1.024$ [$\varnothing 26.00$]
- Dimension F: $.118 \pm .012$ [3.0 ± 0.3]
- Dimension G: $.354 \pm .020$ [9.0 ± 0.5]
- Dimension H: $.571 \pm .012$ [14.5 ± 0.3]
- Dimension I: $2X .315 \pm .020$ [8.0 ± 0.5]
- Dimension J: $4X \varnothing .055 \pm .008$ [$\varnothing 1.4 \pm 0.2$]
- Dimension K: $4X .187 \pm .004$ [4.75 ± 0.1]
- Dimension L: $4X .031 \pm .002$ [0.8 ± 0.05]
- Dimension M: $2X .354 \pm .020$ [9.0 ± 0.5]

DATE CODE (YYWW)

REWORK

DATE CODE (YYWW)

REWORK

Technical drawing of a mechanical part with dimensions and a mounting hole. The drawing shows a cross-section of a cylindrical part with a central mounting hole. The dimensions are as follows:

- Top diameter: $\varnothing .795^{+.000}_{-.004}$
- Mounting hole diameter: $[\varnothing 20.2^{+0}_{-0.1}]$
- Bottom diameter: $.433^{+.004}_{-.000}$
- Bottom diameter tolerance: $[.11.0^{+0.1}_{-0}]$
- Right side diameter: $.087^{+.004}_{-.000}$
- Right side diameter tolerance: $[2.2^{+0.1}_{-0}]$

The text "MOUNTING HOLE" is written above the central hole, with an arrow pointing to it.

SWITCHING CIRCUIT



SHOWN IN THE
OFF POSITION

KF	B	3	A	N	A	1	B	B			
Series		Code	Circuitry	Code	Switch Function	Code	Terminal Type	Code	Actuator Color	Code	Actuator Marking
		2	Single Pole	A	On - Off	A	0.187 (4.75) Quick Connect	A	Amber	B	Blank
		3	Double Pole	D	(On) - Off			B	Black		
								G	Green		
								R	Red		
Code	cULus Contact Rating			Code	Lighting Options	Code	Actuator Type	Code	Housing Color		
B	10A 125VAC; 6A 250VAC; 1/2 HP 125/250VAC (cULus)			N	Non-lighted	1	Non-lighted	B	Black		
				L	110V Neon Bulb	2	Lighted				
				E	220V Neon Bulb						
				M	12V LED						
				T	12V LED Independent						

Waterproof Round Pushbutton

KF Series

Examples of Common Part Numbers and Descriptions inches (mm)

Part Number	Circuitry	Switch Function	Terminal Type	Actuator/ Housing Color	Legend Marking
KFB2ANA1BBB		On-Off	0.187 (4.75) Quick-Connect	Black/Black	
KFB2ALA2RBB		On-Off (Illuminated)	0.187 (4.75) Quick-Connect	Red/Black (Red Lens)	
KFB2DNA1BBB		(On) – Off	0.187 (4.75) Quick-Connect	Black/Black	
KFB3ANA1BBB		On – Off	0.187 (4.75) Quick-Connect	Black/Black	
KFB3ALA2RBB		On-On (Illuminated)	0.187 (4.75) Quick-Connect	Red/Black (Red Lens)	

Contact

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