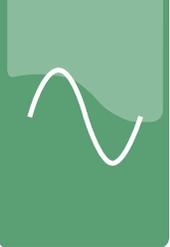


POWER MONITORING & PROTECTION



CURRENT-OPERATED SWITCHES & TRANSDUCERS RIBXG, RIBXK, RIBXK420 SERIES

DESCRIPTION

The Functional Devices RIBXK, RIBXG, RIBXK420 Series include both current-operated switches and current transducers. Solid-core and split-core current-operated switch models have a solid-state switch that operates when the current level sensed by the internal current transformer exceeds a fixed or adjustable set point. Solid-core current transducer models output a 4-20 mA signal proportional to the line current being monitored.

FEATURES

- Solid- and split-core switch models have fixed (go/no go) or adjustable trip points
- Solid-core transducer models have a 4-20 mA output
- Low cost
- Ratcheting cam clamp to secure switch to wire
- Removable mounting tab

SPECIFICATIONS

RIBXK, RIBXG SERIES

Monitored AC Current	
RIBXKF, RIBXKTF	0.25-150A
RIBXKA, RIBXKTA	0.5-150A
RIBXGF, RIBXGTF	0.35-150A
RIBXGA, RIBXGTA	0.75-150A
Relay Trip Point	
RIBXKF, RIBXKTF	0.25A, fixed
RIBXKA, RIBXKTA	0.5-150A, adjustable
RIBXGF, RIBXGTF	0.35A, fixed
RIBXGFL, RIBXGTFL	0.75A, fixed
RIBXGA, RIBXGTA	0.75-150A, adjustable
Relay Type	
Solid state, normally open	
Relay Rating	
30 VAC/VDC, 0.4A maximum	
Off State Leakage	
<0.3 µA @ 30 VAC/VDC	
On State Voltage Drop	
<1.6 VAC/VDC @ 0.4A	

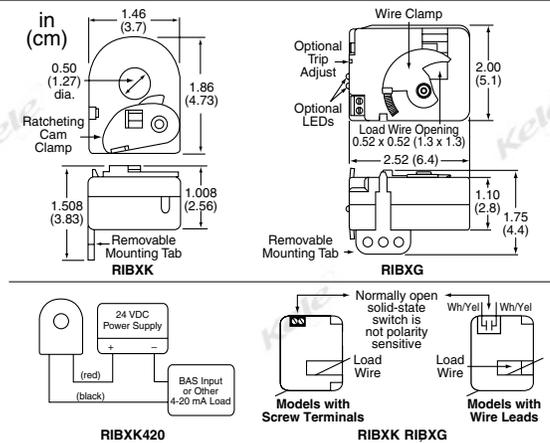
RIBXK420 SERIES

Supply Voltage	24 VDC
Output	4-20 mA @ 600Ω, 30 mA maximum
Accuracy	±5% FS
Linearity	±1% FS
Input Range	20, 50, or 100A
General	
Frequency	Suitable for most VFD applications
Maximum Sensed Voltage	600 VAC
Terminations	16" (40.6 cm), 18 AWG, 600V wires or terminals for 14-22 AWG
Operating Temperature	
Weight	-30° to 140°F (-34.4° to 60°C)
Approvals	UL916, UL864 UL File #S7312, CE, RoHs
Warranty	1 year

Functional Devices, Inc.



DIMENSIONS



ORDERING INFORMATION

MODEL	DESCRIPTION
RIBXKF	Solid-core current-operated switch, wire leads, fixed-trip
RIBXKTF	Solid-core current-operated switch, terminals, fixed-trip
RIBXKA	Solid-core current-operated switch, wire leads, adjustable-trip
RIBXKTA	Solid-core current-operated switch, terminals, adjustable-trip
RIBXK420-20	Solid-core current transducer, 0-20A
RIBXK420-50	Solid-core current transducer, 0-50A
RIBXK420-100	Solid-core current transducer, 0-100A
RIBXGF	Split-core current-operated switch, fixed 0.35A trip, wire leads
RIBXGTF	Split-core current-operated switch, fixed 0.35A trip, terminal strip
RIBXGFL	Split-core current-operated switch, fixed 0.75A trip, wire leads, LEDs
RIBXGTFL	Split-core current-operated switch, fixed 0.75A trip, terminal strip, LEDs
RIBXGA	Split-core current-operated switch, adjustable trip, wire leads, LEDs
RIBXGTA	Split-core current-operated switch, adjustable trip, terminal strip, LEDs