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Manufacturing quality products in the United States of America since 1969

RIBX243PF

Enclosed Internal Fixed .50-20 Amp Current Sensor + Relay 20 Amp TPST-N/O with 24 Vac/dc Coil



Functional Devices, Inc. A600C 2005



Relays & Contact Type: One (1) TPST Continuous Duty Coil
Expected Relay Life: 10 million cycles minimum mechanical
Operating Temperature: -30 to 140° F
Operate Time: 20mS
Relay Status: LED On = Activated
Dimensions: 4.00" x 4.00" x 1.80" with .50" NPT Nipple
Wire Length: 16", 600V Rated
Approvals: UL Listed, UL916, UL864, C-UL Canada
 California State Fire Marshal, CE Approved
Housing Rating: Plenum, NEMA 1
Gold Flash: No
Override Switch: No

Contact Ratings:

20 Amp Resistive @ 300 Vac, 28 Vdc
 20 Amp Ballast @ 277-480 Vac
 15 Amp Resistive @ 600 Vac
 770 VA Pilot Duty @ 120 Vac, 1 Phase
 1158 VA Pilot Duty @ 240 Vac, 1 Phase
 1110 VA Pilot Duty @ 277 Vac, 1 Phase
 1640 VA Pilot Duty @ 480 Vac, 1 Phase
 1466 VA Pilot Duty @ 240 Vac, 3 Phase
 2112 VA Pilot Duty @ 480 Vac, 3 Phase
 Heavy Pilot Duty @ 600 Vac
 7.5 HP @ 480 Vac, 3 Phase
 5 HP @ 240 Vac, 3 Phase
 3 HP @ 480-600 Vac, 1 Phase
 2 HP @ 240-277 Vac, 1 Phase
 1 HP @ 120 Vac, 1 Phase

Coil Current:

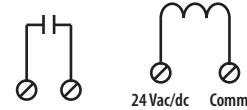
190 mA @ 24 Vac
 140 mA @ 30 Vdc

Coil Voltage Input:

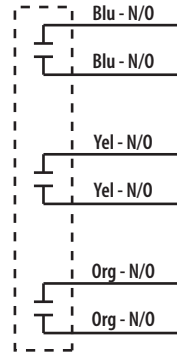
24 Vac/dc ; 50-60 Hz
 Drop Out = 3 Vac / 3.8 Vdc
 Pull In = 20 Vac / 20 Vdc

Solid State Contact
 30 Vac/dc, .4 Amp Max.

When current sensor status is off (open),
 leakage <30 uA @ 30Vac/dc
 When current sensor status is on (closed),
 voltage drop < .3 Vac/dc @ .1 Amp
 < 1.6 Vac/dc @ .4 Amp



SENSOR FEEDBACK
 Current Sensor Status
 (Orange Wires)



Notes:

» Order Normally Closed by adding "-NC" to end of model number

Sensor Type: Internal, with contact status
 Current sensing on orange wires

Sensor Threshold: Fixed, .5 Amps

Sensor Range: .50-20 Amps

Sensor Output: Solid State Contact 30 Vac/dc, 0.4 Amp

Notes: