

# Motor protection relays

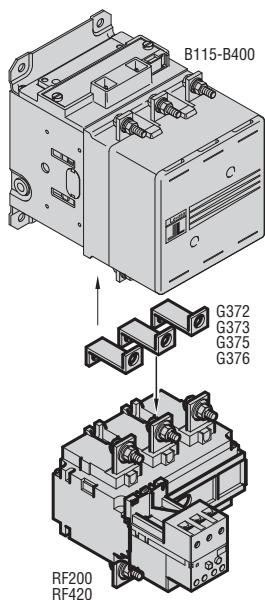
## Thermal overload relays for B series contactors

### Phase failure / single phase sensitive Three poles (three phase)

3



RF200... - RF420...



Order code	Adjustment range	Protection fuses IEC			Qty per pkg	Wt [kg]
		aM	gG	UL K5		
	[A]	[A]	[A]	[A]	n°	

#### MANUAL OR AUTOMATIC RESETTING.

Independent screw fixing or direct mounting on contactors:  
B115-B145-B180 using G372 links  
B250-B310-B400 using G373 links

<b>RF200 100</b>	60-100	100	160	500	1	2.150
<b>RF200 125</b>	75-125	125	200	500	1	2.150
<b>RF200 150</b>	90-150	160	250	500	1	2.150
<b>RF200 200</b>	120-200	200	315	500	1	2.150

Independent screw fixing or direct mounting on contactors:  
B145-B180 using G375 links  
B250-B310-B400 using G376 links

<b>RF420 250</b>	150-250	250	400	800	1	2.460
<b>RF420 300</b>	180-300	315	500	800	1	2.460
<b>RF420 420</b>	250-420	500	630	800	1	2.460

NOTE: The appropriate adjustment range of the overload relay should be selected on the basis of the motor nameplate full-load current when direct, across the line starting is considered.

#### RELAYS FOR B500 AND B630 CONTACTORS

##### MANUAL OR AUTOMATIC RESETTING.

Consult Customer Service for the relative order codes and detailed information; see contact details on inside front cover.

#### Three-phase IEC motor powers

230V	400V	415V	440V	550V	690V
[kW]	[kW]	[kW]	[kW]	[kW]	[kW]

18.5-25	33-51	37-55	37-59	45-63	59-92
22-37	40-63	45-63	51-75	55-80	75-110
25-45	51-80	55-80	55-92	63-100	92-140
37-59	75-100	75-100	75-110	92-140	129-184

45-75	92-132	92-147	100-150	110-162	140-220
55-92	100-162	110-162	129-184	129-198	180-280
75-110	129-198	147-220	150-220	180-280	250-368

NOTE: For 1000V powers, consult Customer Service for information; see contact details on inside front cover.

① The indicated powers apply to 4-pole motors; it is advisable to always check that the nameplate motor current is within the relay adjustment range.

#### Certifications and compliance

Certifications obtained:

Type	C U L s	E A C
RF200	●	●
RF420	●	●

● Certified products.

cULus – UL Listed for USA and Canada (cULus - File E93601) as Auxiliary Devices – Thermal Overload Relays, 600VAC, open type, ambient compensated, 5000 Amps RMS symmetrical short circuit rating up to 150A FLA range, 10000 Amps RMS for 200A up to 300A FLA range and 18000 Amps for the 420A; the trip current is 120% FLA.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-4-1, UL508, CSA C22.2 n° 14.