MOTOR PROTECTION RELAY, PHASE FAILURE / SINGLE PHASE SENSITIVE. THREE POLE **Electric** (THREE PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 **ENERGY AND AUTOMATION** CONTACTORS, 32...38A



Product type designation Series S	Product designation			Motor protection relay	
Number of poles	Product type designation			•	
III Pollution degree					
Pollution degree 3 3 7 7 7 7 7 7 7 7	Number of poles		nr.	3	
Frontal IP degree IP20 Thermal	Overvoltage category			III	
Thermal Protection fuse GR (IEC) A 63 A A A A A A A A A A	Pollution degree			3	
Protection fuse gG (IEC) A 40 A A 40 A RK5 (UL) A 150 A Phase failure detection Reset mode Power circuit characteristics Operating frequency Operating frequency Operational current min A 32 A Operational current max A 38 A Tripping class Town and a series washer Screw And washer Washer Auxiliary circuit characteristics Auxiliary contacts NO nr. 1 NC nr. 1 Operating current AC15 Auxiliary corrent AC15 Auxiliary carrent AC15 Auxiliary c	Frontal IP degree			IP20	
Page	Type of release			Thermal	
A	Protection fuse				
Phase failure detection		gG (IEC)	Α	63 A	
Phase failure detection NO Manual or automatic Power circuit characteristics Wanual or automatic Operating frequency Operational frequency max Hz 400 1/s Operating current Operational current min A pripring current min A pripring class A 32 A and A 38 A A A A 38 A A A A A A A A A A A A		aM (IEC)	Α	40 A	
Reset mode Manual or automatic			Α	150 A	
Reset mode	Phase failure detection			NO	
Power circuit characteristics	Poset mode			Manual or	
Operating frequency Operating current Operational current min A 32 A 38				automatic	
Operating current A 32 A A 38 A Tripping class	Power circuit characteristics				
Operating current Operational current min	Operating frequency				
Operational current min Operational current min Operational current max		Operational frequency max	Hz	400 1/s	
Operational current max	Operating current				
Tripping class		Operational current min	Α	32 A	
Test Button		Operational current max	Α	38 A	
Trip indicator YES Terminals type Screw and washer screw M4 tool Phillips 2	Tripping class				
Terminals type Screw and washer screw M4 tool Phillips 2 Conductor section AWG max 8 Auxiliary circuit characteristics Auxiliary contacts NO nr. 1 NC nr. 1 Operating current AC15 24V A 3 A 120V A 3 A 120V A 3 A 240V A 1.5 A 380V A 0.95 A 480V A 0.95 A 480V A 0.75 A 500V A 0.72 A 600V A 0.6 A	Test Button				
type Screw and washer screw M4 tool Phillips 2 Conductor section AWG max 8 Auxiliary circuit characteristics Auxiliary contacts NO nr. 1 NC nr. 1 NC nr. 1 Operating current AC15 24V A 3 A 120V A 1.5 A 380V A 0.95 A 480V A 0.75 A 480V A 0.75 A 500V A 0.72 A 600V A 0.72 A 600V A 0.66 A	Trip indicator			YES	
Type Washer Screw M4 tool Phillips 2	Terminals				
Screw M4 tool Phillips 2		type			
tool Phillips 2 Conductor section AWG max 8 Auxiliary circuit characteristics NO nr. 1 1 NO nr. 1 1 Operating current AC15 24V A 3 A 120V A 3 A 120V A 1.5 A 380V A 0.95 A 480V A 0.75 A 500V A 0.72 A 600V A 0.6 A 0.72 A 600V A 0.6 A 0.72 A 600V A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A 0.6 A <th col<="" td=""><td></td><td>туре</td><td></td><td></td></th>	<td></td> <td>туре</td> <td></td> <td></td>		туре		
Conductor section AWG max 8 Auxiliary circuit characteristics Auxiliary contacts NO nr. 1 NC nr. 1 NC nr. 1 Operating current AC15 24V A 3 A 120V A 3 A 120V A 3 A 240V A 1.5 A 380V A 0.95 A 480V A 0.75 A 500V A 0.72 A 600V A 0.6 A		screw			
Auxiliary circuit characteristics Auxiliary contacts NO nr. 1 NC nr. 1 NC nr. 1 Operating current AC15 24V A 3 A 120V A 3 A 120V A 3 A 240V A 1.5 A 380V A 0.95 A 480V A 0.75 A 500V A 0.72 A 600V A 0.6 A		tool		Phillips 2	
Auxiliary circuit characteristics Auxiliary contacts NO nr. 1 NC nr. 1 Operating current AC15 24V A 3 A 120V A 3 A 240V A 1.5 A 380V A 0.95 A 480V A 0.75 A 500V A 0.72 A 600V A 0.6 A	Conductor section				
Auxiliary contacts NO nr. 1 NC nr. 1 Operating current AC15 24V A 3 A 120V A 3 A 240V A 1.5 A 380V A 0.95 A 480V A 0.75 A 500V A 0.72 A 600V A 0.6 A		AWG max		8	
NO nr. 1 NC nr. 1 Operating current AC15 24V A 3 A 120V A 3 A 240V A 1.5 A 380V A 0.95 A 480V A 0.75 A 500V A 0.72 A 600V A 0.6 A					
NC nr. 1	Auxiliary contacts				
Operating current AC15 24V A 3 A 120V A 3 A 240V A 1.5 A 380V A 0.95 A 480V A 0.75 A 500V A 0.72 A 600V A 0.6 A			nr.		
24V A 3 A 120V A 3 A 240V A 1.5 A 380V A 0.95 A 480V A 0.75 A 500V A 0.72 A 600V A 0.6 A		NC	nr.		
120V A 3 A 240V A 1.5 A 380V A 0.95 A 480V A 0.75 A 500V A 0.72 A 600V A 0.6 A	Operating current AC15				
240V A 1.5 A 380V A 0.95 A 480V A 0.75 A 500V A 0.72 A 600V A 0.6 A					
380V A 0.95 A 480V A 0.75 A 500V A 0.72 A 600V A 0.6 A					
480V A 0.75 A 500V A 0.72 A 600V A 0.6 A					
500V A 0.72 A 600V A 0.6 A					
600V A 0.6 A					
	Operating current DC13	600V	A	0.6 A	

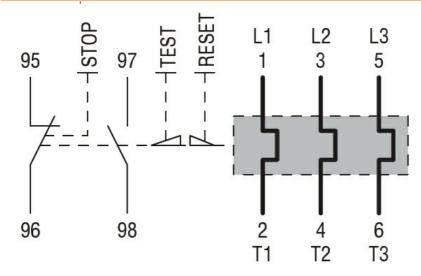


ENERGY AND AUTOMATION

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	125V	Α	0.11 A
	600V	Α	0.22 A
Conventional free air thermal current Ith		Α	10 A
Terminals			
	type		Screw and washer
	screw		M3,5
	tool		Phillips 2
UL/CSA and IEC/EN 60947-5-1 designation			B600-R300
Ambient conditions			
Max altitude		m	3000
Mechanical feautures			
Operating position			
	normal allowable		Vertical plan ±30°
Weight		g	0.16 kg
UL technical data			
Full-load current (FLA) for three-phase AC motor			
	at 480V	Α	38 A
	at 600V	Α	38 A

Wiring diagrams



Certifications and compliance

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CSA C22.2 n° 14 IEC/EN 60947-1 IEC/EN 60947-4-1 **UL508**

Certifications

CCC cULus EAC