

MOTOR PROTECTION RELAY, PHASE FAILURE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-CONTACTORS, 0.25...0.4A



Product designation			RF12
Product type designation			Motor protection relay
General characteristics			
Number of poles		Nr.	3
Overvoltage category			111
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	Α	2
	aM (IEC)	Α	1
Phase failure detection			yes
Reset mode			Manual or automatic
Power circuit characteristics			
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated operational voltage		V	690
Operational frequency			
	min	Hz	0
	max	Hz	400
Operational current le			 -
	Operational current min	Α	0.25
	Operational current min Operational current max	A A	0.25 0.4
Tripping class	-		
Tripping class Test Button	-		0.4
Test Button	-		0.4 10A Yes
	-		0.4 10A
Test Button Trip indicator	Operational current max		0.4 10A Yes
Test Button Trip indicator	-		0.4 10A Yes Yes
Test Button Trip indicator	Operational current max		0.4 10A Yes Yes
Test Button Trip indicator	Operational current max type		0.4 10A Yes Yes screw and washer
Test Button Trip indicator	Operational current max type screw	A	0.4 10A Yes Yes screw and washer M4 9.8
Test Button Trip indicator	Operational current max type screw width	A	0.4 10A Yes Yes screw and washer M4
Test Button Trip indicator Terminals	Operational current max type screw width	A	0.4 10A Yes Yes screw and washer M4 9.8
Test Button Trip indicator Terminals	Operational current max type screw width tool	mm	0.4 10A Yes Yes Screw and washer M4 9.8 Phillips 2
Test Button Trip indicator Terminals	Operational current max type screw width tool min	Mm Nm	0.4 10A Yes Yes Screw and washer M4 9.8 Phillips 2
Test Button Trip indicator Terminals	Operational current max type screw width tool min max	mm Nm Nm	0.4 10A Yes Yes Screw and washer M4 9.8 Phillips 2
Test Button Trip indicator Terminals	Operational current max type screw width tool min max min	mm Nm Nm Ibin	0.4 10A Yes Yes Yes screw and washer M4 9.8 Phillips 2 1.4 2.3 1
Test Button Trip indicator Terminals Tightening torque for terminals	Operational current max type screw width tool min max min	mm Nm Nm Ibin	0.4 10A Yes Yes Yes screw and washer M4 9.8 Phillips 2 1.4 2.3 1
Test Button Trip indicator Terminals Tightening torque for terminals	type screw width tool min max min max	mm Nm Nm Ibin Ibin	0.4 10A Yes Yes Yes screw and washer M4 9.8 Phillips 2 1.4 2.3 1 1.7
Test Button Trip indicator Terminals Tightening torque for terminals	type screw width tool min max min max Flexible w/o lug max	mm Nm Nm Ibin Ibin mm²	0.4 10A Yes Yes Yes screw and washer M4 9.8 Phillips 2 1.4 2.3 1 1.7

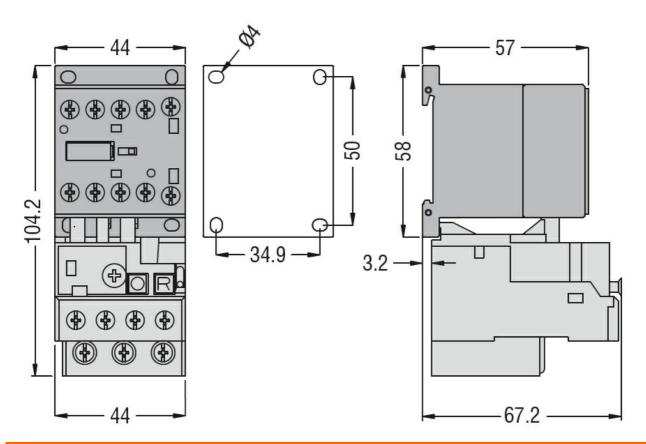


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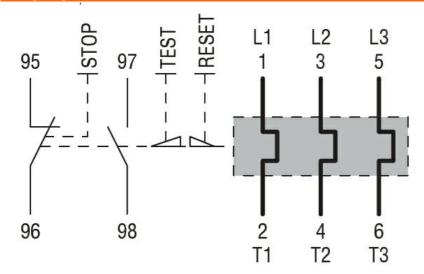
max	W	2.6
Auxiliary circuit characteristics		
Auxiliary contacts		
NO	Nr.	1
NC NC	Nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN	V	690
IEC Conventional free air thermal current Ith	Α	5
Terminals		
Auxiliary circuit type		screw and washer
Auxiliary circuit screw		M3.5
Auxiliary circuit width	mm	8
Auxiliary circuit tool		Phillips 2
Conductor section		
Auxiliary circuit Flexible w/o lug max	mm²	2.5
Auxiliary circut Flexible c/w lug max	mm²	2.5
Tightening torque for terminals		
Auxiliary circuit max	Nm	1
Auxiliary circuit max	lbin	0.74
UL/CSA and IEC/EN 60947-5-1 designation		A600-Q600
Ambient conditions		
Operating temperature	2.0	•
min	°C	-20
max 2	°C	55
Storage temperature	0.0	
min	°C	-55 -70
Max Commonation town eveture	°C	70
Compensation temperature	°C	4.5
min	°C	-15 55
Max altitude max		3000
Mechanical features	m	3000
Operating position		
normal		Vertical plan
allowable		±30°
Fixing		Direct mounting on BG06 BG09 BG12
Weight	g	115
Dimensions		

ENERGY AND AUTOMATION

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Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 60947-1

IEC/EN 60947-4-1

Certifications

CCC

cULus

ETIM classification

ETIM 8.0

EC000106 -Thermal overload relay