

MOTOR PROTECTION RELAY, PHASE FAILURE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-CONTACTORS, 0.75...1A



Product designation			RF12
Product type designation			Motor protection relay
General characteristics			Tolay
Number of poles		Nr.	3
Overvoltage category			III
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	Α	4
	aM (IEC)	Α	2
Phase failure detection			yes
Reset mode			Manual or
Reset mode			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	0.75
	Operational current min Operational current max	A A	0.75 1
Tripping class	-		
	-		1
Tripping class	-		1 10A
Tripping class Test Button	-		1 10A Yes
Tripping class Test Button Trip indicator	Operational current max		1 10A Yes Yes
Tripping class Test Button Trip indicator	-		1 10A Yes Yes screw and washer
Tripping class Test Button Trip indicator	Operational current max type screw		1 10A Yes Yes screw and washer M4
Tripping class Test Button Trip indicator	Operational current max type screw width		1 10A Yes Yes Screw and washer M4 9.8
Tripping class Test Button Trip indicator Terminals	Operational current max type screw	A	1 10A Yes Yes screw and washer M4
Tripping class Test Button Trip indicator	Operational current max type screw width tool	mm	1 10A Yes Yes Screw and washer M4 9.8 Phillips 2
Tripping class Test Button Trip indicator Terminals	Operational current max type screw width tool min	Mm Nm	1 10A Yes Yes Screw and washer M4 9.8 Phillips 2
Tripping class Test Button Trip indicator Terminals	type screw width tool min max	mm Nm Nm	1 10A Yes Yes Yes screw and washer M4 9.8 Phillips 2 1.4 2.3
Tripping class Test Button Trip indicator Terminals	type screw width tool min max min	mm Nm Nm Ibin	1 10A Yes Yes Yes screw and washer M4 9.8 Phillips 2 1.4 2.3 1
Tripping class Test Button Trip indicator Terminals Tightening torque for terminals	type screw width tool min max	mm Nm Nm	1 10A Yes Yes Yes screw and washer M4 9.8 Phillips 2 1.4 2.3
Tripping class Test Button Trip indicator Terminals	type screw width tool min max min max	mm Nm Nm Ibin Ibin	1 10A Yes Yes Yes Screw and washer M4 9.8 Phillips 2 1.4 2.3 1 1.7
Tripping class 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	1 10A Yes Yes Yes Screw and washer M4 9.8 Phillips 2 1.4 2.3 1 1.7
Tripping class Test Button Trip indicator Terminals Tightening torque for terminals	type screw width tool min max min max Flexible w/o lug max Flexible c/w lug max	mm Nm Nm Ibin Ibin	1 10A Yes Yes Yes screw and washer M4 9.8 Phillips 2 1.4 2.3 1 1.7
Tripping class 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	1 10A Yes Yes Yes Screw and washer M4 9.8 Phillips 2 1.4 2.3 1 1.7

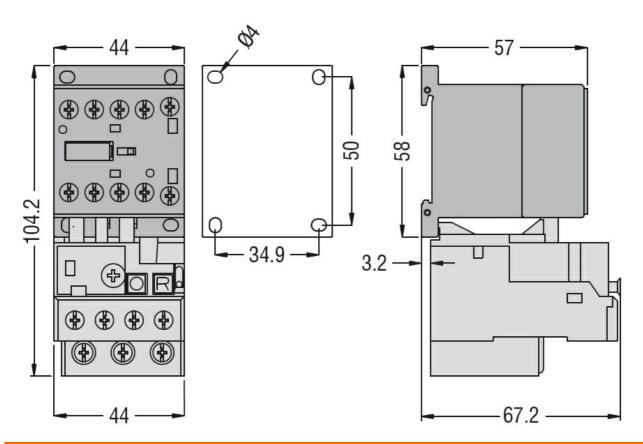


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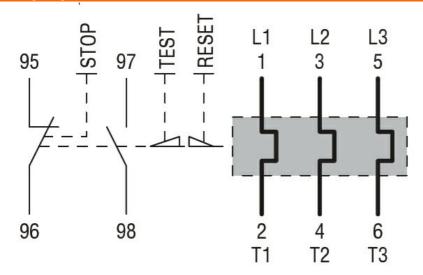
	max	W	2.6
Auxiliary circuit characteristics			
Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	
Auxiliary Rated insulation voltage Ui IEC/EN		V	690
IEC Conventional free air thermal current Ith		Α	5
Terminals			
	Auxiliary circuit type		screw and washer
	Auxiliary circuit screw		M3.5
	Auxiliary circuit width	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	Ibin	0.74
UL/CSA and IEC/EN 60947-5-1 designation			A600-Q600
Ambient conditions			
Operating temperature			
	min	°C	-20
	max	°C	55
Storage temperature			
	min	°C	-55
	max	°C	70
Compensation temperature			
	min	°C	-15
	max	°C	55
Max altitude		m	3000
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
			Direct mounting
Fixing			on BG06
Woight		~	BG09 BG12 115
Weight		g	110
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