

MOTOR PROTECTION RELAY, PHASE FAILURE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-CONTACTORS, 0.16...0.25A



Product designation			RF12
Product type designation			Motor protection relay
General characteristics			·
Number of poles		Nr.	3
Overvoltage category			III
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	Α	1
	aM (IEC)	Α	0.5
Phase failure detection			yes
Reset mode			Manual or automatic
Power circuit characteristics			automatic
Rated insulation voltage Ui IEC/EN		V	690
Rated insulation voltage of IEC/EN Rated impulse withstand voltage Uimp		kV	6
Rated operational voltage		V	690
Operational frequency		V	090
Operational frequency	min	Hz	0
	min	⊓z Hz	400
Operational current le	max	ПZ	400
Operational current le	Operational autrent min	٨	0.16
	Operational current min Operational current max	A A	0.25
Tripping class	Operational current max	A	
HIDDING Class			101
			10A
Test Button			Yes
Test Button Trip indicator			
Test Button			Yes Yes
Test Button Trip indicator	type		Yes Yes screw and
Test Button Trip indicator			Yes Yes screw and washer
Test Button Trip indicator	screw	mm	Yes Yes screw and washer M4
Test Button Trip indicator	screw width	mm	Yes Yes screw and washer M4 9.8
Test Button Trip indicator Terminals	screw	mm	Yes Yes screw and washer M4
Test Button Trip indicator	screw width tool		Yes Yes screw and washer M4 9.8 Phillips 2
Test Button Trip indicator Terminals	screw width tool min	Nm	Yes Yes Screw and washer M4 9.8 Phillips 2
Test Button Trip indicator Terminals	screw width tool min max	Nm Nm	Yes Yes Screw and washer M4 9.8 Phillips 2
Test Button Trip indicator Terminals	screw width tool min max min	Nm Nm Ibin	Yes Yes Screw and washer M4 9.8 Phillips 2 1.4 2.3 1
Test Button Trip indicator Terminals Tightening torque for terminals	screw width tool min max	Nm Nm	Yes Yes Screw and washer M4 9.8 Phillips 2
Test Button Trip indicator Terminals	screw width tool min max min max	Nm Nm Ibin Ibin	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	screw width tool min max min max Flexible w/o lug max	Nm Nm Ibin Ibin	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	screw width tool min max min max Flexible w/o lug max Flexible c/w lug max	Nm Nm Ibin Ibin	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	screw width tool min max min max Flexible w/o lug max	Nm Nm Ibin Ibin	Yes Yes Screw and washer M4 9.8 Phillips 2 1.4 2.3 1 1.7

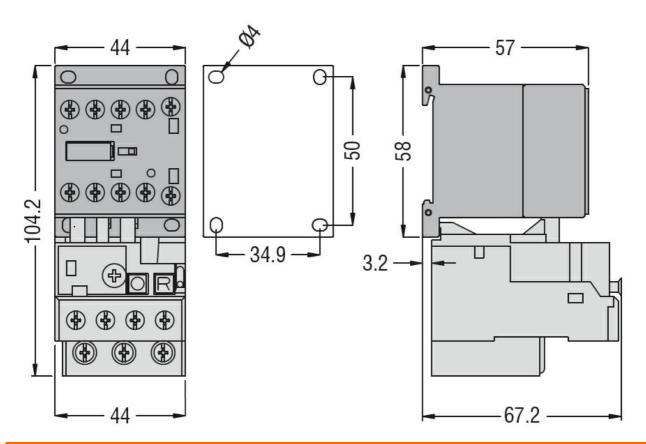


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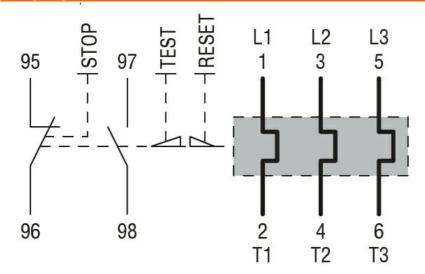
	max	W	2.6
Auxiliary circuit characteristics			
Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	
Auxiliary Rated insulation voltage Ui IEC/EN		V	690
IEC Conventional free air thermal current Ith		Α	5
Terminals			
	Auxiliary circuit type		screw and washer
	Auxiliary circuit screw		M3.5
	Auxiliary circuit width	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