RF120320



MOTOR PROTECTION RELAY, PHASE FAILURE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-CONTACTORS, 2.3...3.2A



Product designation			RF12
-			Motor protection
Product type designation			relay
General characteristics			
Number of poles		Nr.	3
Overvoltage category			
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	А	10
	aM (IEC)	А	4
Phase failure detection	· · ·		yes
Deast made			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	А	2.3
	Operational current max	А	3.2
Tripping class			10A
Test Button			Yes
Trip indicator			Yes
Terminals			
	t 10 a		screw and
	type		washer
	screw		M4
	width	mm	9.8
	tool		Phillips 2
Tightening torque for terminals			
	min	Nm	1.4
	max	Nm	2.3
	min	lbin	1
	max	lbin	1.7
Conductor section			
	Flexible w/o lug max	mm²	6
	Flexible c/w lug max	mm²	10
	AWG/kcmil max		10
Power dissipation per pole			
	min	W	0.7

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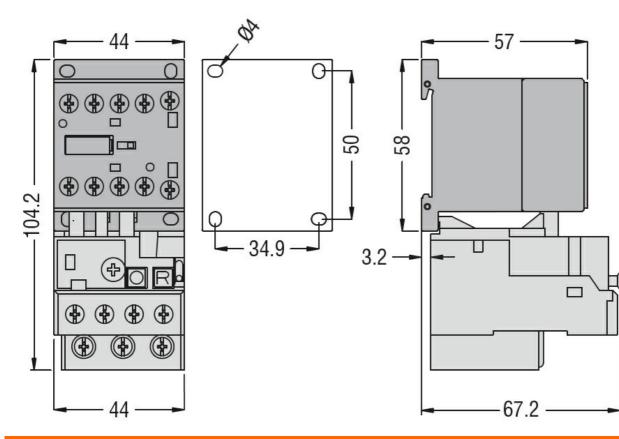
Aux	NO NC uxiliary circuit type xiliary circuit screw uxiliary circuit screw uxiliary circuit tool exible w/o lug max fexible c/w lug max	Nr. Nr. V A mm	1 1 690 5 screw and washer M3.5 8 Phillips 2 2.5
Auxiliary Rated insulation voltage Ui IEC/EN IEC Conventional free air thermal current Ith Terminals Aux	NC Auxiliary circuit type xiliary circuit screw uxiliary circuit width Auxiliary circuit tool exible w/o lug max	Nr. V A mm	1 690 5 screw and washer M3.5 8 Phillips 2 2.5
IEC Conventional free air thermal current Ith Terminals Aux	NC Auxiliary circuit type xiliary circuit screw uxiliary circuit width Auxiliary circuit tool exible w/o lug max	Nr. V A mm	1 690 5 screw and washer M3.5 8 Phillips 2 2.5
IEC Conventional free air thermal current Ith Terminals Aux	uxiliary circuit type xiliary circuit screw uxiliary circuit width Auxiliary circuit tool exible w/o lug max	V A mm mm ²	690 5 screw and washer M3.5 8 Phillips 2 2.5
IEC Conventional free air thermal current Ith Terminals Aux	xiliary circuit screw uxiliary circuit width Auxiliary circuit tool exible w/o lug max	A mm mm²	5 screw and washer M3.5 8 Phillips 2 2.5
Terminals Au Aux	xiliary circuit screw uxiliary circuit width Auxiliary circuit tool exible w/o lug max	mm mm²	screw and washer M3.5 8 Phillips 2 2.5
Au Aux	xiliary circuit screw uxiliary circuit width Auxiliary circuit tool exible w/o lug max	mm²	washer M3.5 8 Phillips 2 2.5
Aux	xiliary circuit screw uxiliary circuit width Auxiliary circuit tool exible w/o lug max	mm²	washer M3.5 8 Phillips 2 2.5
Aux	xiliary circuit screw uxiliary circuit width Auxiliary circuit tool exible w/o lug max	mm²	M3.5 8 Phillips 2 2.5
	uxiliary circuit width Auxiliary circuit tool exible w/o lug max	mm²	8 Phillips 2 2.5
A	Auxiliary circuit tool	mm²	Phillips 2 2.5
Au	exible w/o lug max		2.5
A	exible w/o lug max		2.5
Conductor section	-		
Auxiliary circuit Fle	-	mm^2	
Auxiliary circut Fle	-	mm²	2.5
Tightening torque for terminals			
	uxiliary circuit max	Nm	1
	uxiliary 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	max	 	3000
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
			Direct mounting
Fixing			on BG06
			BG09 BG12
Weight		g	115
Dimensions		3	· -

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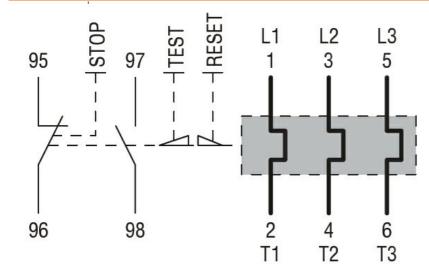
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Wiring diagrams



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		

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