



ELECTRONIC THERMAL OVERLOAD RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING, 9...45A



Product designation			RFE45
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			Electronic thermal
Protection fuse			
	gG (IEC)	Α	63
	aM (IEC)	Α	40
Phase failure detection	,		yes
Decet week			Manual or
Reset mode			automatic
Power circuit characteristics			
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	6
Rated operational voltage		V	690
Operational frequency			
	min	Hz	50
	max	Hz	60
Operational current le			
	Operational current min	Α	9
	Operational current max	Α	45
Tripping class			5 - 10 - 20 - 30
Test Button			yes
Trip indicator			yes
Terminals			
	tı (0.0		screw and
	type		washer
	screw		M4
	width	mm	12
	tool		Phillips 2
Tightening torque for terminals			
	min	Nm	3.1
	max	Nm	3.1
	min	Ibin	2.3
	max	Ibin	2.3
Conductor section			
	AWG/kcmil max		6
Auxiliary circuit characteristics			
Auxiliary contacts			
	NO	Nr.	1





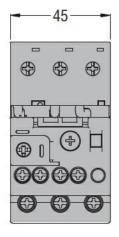
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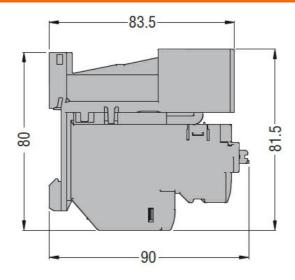
	NC	Nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN		V	690
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			_
	24V	A	3
	120V	A	3
	240V	A	1.5
	380V 480V	A	0.95 0.75
	500V	A A	0.75
	600V	A	0.72
Operating current DC13	0001		0.0
Operating current DO13	125V	Α	0.11
	600V	A	0.22
IEC Conventional free air thermal current Ith	0001	A	10
Terminals			
			screw and
	Auxiliary circuit type		washer
	Auxiliary circuit screw		M3,5
	Auxiliary circuit width	mm	7
	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
Fightening torque for terminals			
	Auxiliary circuit min	Nm	0.8
	Auxiliary circuit max	Nm	0.8
	Auxiliary circuit min	lbin	0.6
	Auxiliary circuit max	Ibin	0.6
UL/CSA and IEC/EN 60947-5-1 designation			B600-R300
Ambient conditions			
Operating temperature			
	min	°C	-25
21	max	°C	70
Storage temperature		۰.	FF
	min	°C	-55 80
Companyation tomporature	max	U	80
Compensation temperature	min	°C	-25
	min max	°C	-25 70
Max altitude	illax	m	3000
Mechanical features		111	
Operating position			
- F			Vertical plan
	n∩rmal		
	normal allowable		·
	normal allowable		±30°
Fixing			· ·
Fixing			±30° Direct mounting
Fixing		g	±30° Direct mounting on BF09
		g	±30° Direct mounting on BF09 BF38
Weight UL technical data		g	±30° Direct mounting on BF09 BF38
Weight		g A	±30° Direct mounting on BF09 BF38

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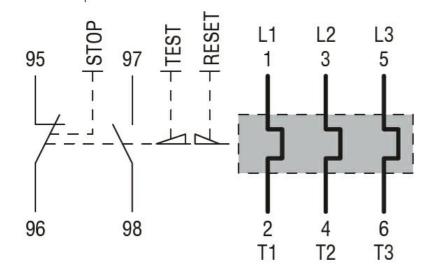
ENERGY AND AUTOMATION

Dimensions





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1; IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

Certifications

cULus

ETIM classification

ETIM 8.0

EC001080 -Electronic overload relay