



ELECTRONIC THERMAL OVERLOAD RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL OR AUTOMATIC RESETTING, 1.6...8A



Product designation			RFE45
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			Electronic thermal
Protection fuse			_
	gG (IEC)	Α	20
	aM (IEC)	Α	10
Phase failure detection	,		yes
Reset mode			Manual or
Power circuit characteristics			automatic
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	6
Rated operational voltage		V	690
Operational frequency		V	030
Operational frequency	min	Hz	50
	min	⊓z Hz	60
Operational current le	max	1 12	
Operational current le	Operational current min	Α	1.6
	Operational current max	A	8
Tripping class	Operational current max		5 - 10 - 20 - 30
Test Button			Yes
Trip indicator			yes
Terminals			yes
Tominals	type		screw and washer
	screw		M4
	width	mm	12
	tool		Phillips 2
Tightening torque for terminals	.501		
	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





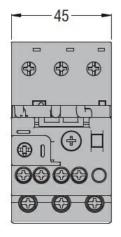
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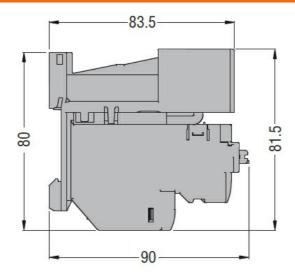
	NC	Nr.	1
Auxiliary Rated insulation voltage Ui IEC/EN		V	690
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
Operating current AC15			
	24V	Α	3
	120V	Α	3
	240V	A	1.5
	380V	A	0.95
	480V 500V	A	0.75 0.72
	600V	A A	0.72
Operating current DC13	000 V		0.0
Operating current DC 13	125V	Α	0.11
	600V	A	0.11
IEC Conventional free air thermal current Ith	000 V	A	10
Terminals		А	10
. Granda			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
Tightening torque for terminals			
	Auxiliary circuit min	Nm	0.8
	Auxiliary circuit max	Nm	0.8
	Auxiliary circuit min	lbin	0.6
	Auxiliary circuit max	lbin	0.6
UL/CSA and IEC/EN 60947-5-1 designation			B600-R300
Ambient conditions			
Operating temperature			
	min	°C	-25
	max	°C	70
Storage temperature	_	0 =	
	min	°C	-55
O	max	°C	80
Compensation temperature		0.0	05
	min	°C	-25 70
May oldinala	max	°C	70
Max altitude Mechanical features		m	3000
Operating position	normal		Vertical plan
	allowable		Vertical plan ±30°
	allowable		Direct mounting
Fixing			on BF09
· izing			BF38
Weight		g	195
UL technical data		3	
Full-load current (FLA) for three-phase AC motor			
	at 480V	Α	8
	at 600V	A	8
			-

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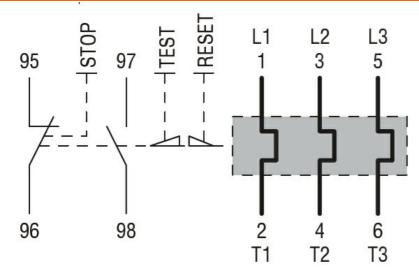
ENERGY AND AUTOMATION

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