## **electric** ELECTRONIC THERMAL OVERLOAD RELAYS PHASE FAILURE / SINGLE PHASE SENSITIVE. THREE POLE (THREE PHASE), MANUAL OR AUTOMATIC RESETTING, 0,4...2A



Product designation			RFE45
Product type designation			Motor protection relay
General characteristics			
Number of poles		nr.	3
Overvoltage category			Ш
Pollution degree			3
Frontal IP degree			IP20
Type of release			Electronic thermal
Protection fuse			
	gG (IEC)	Α	6
	aM (IEC)	Α	4
Phase failure detection	, ,		yes
Decet made			Manual or
Reset mode			automatic
Power circuit characteristics			
Rated insulation voltage Ui		V	1000
Rated impulse withstand voltage Uimp		kV	6
Rated operational voltage		V	690
Operating frequency			_
	Operational frequency min	Hz	50
0	perational frequency max	Hz	60
Operating current			
	Operational current min	Α	0.4
	Operational current max	Α	2
Tripping class			5 - 10 - 20 - 30
Test Button			yes
Trip indicator			yes
Terminals			
	type		Screw and
	турс		washer
	screw		M4
	width	mm	12
	tool		Phillips 2
Tightening torque for terminals			
	min	Nm	3.1
	max	Nm	3.1
	min	lbft	2.3
-	max	lbft	2.3
Conductor section			
K. Harriston to the Lander to the con-	AWG max		6
Auxiliary circuit characteristics			
Auxiliary contacts	NO	nr.	1

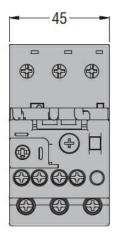


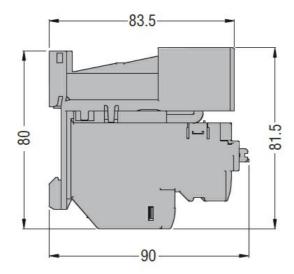
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	NC	nr.	1
Rated insulation voltage Ui	110	V	690
Rated impulse withstand voltage Uimp		kV	6
Rated operational voltage		V	690
Operating current AC15			
	24V	Α	3
	120V	Α	3
	240V	Α	1.5
	380V	Α	0.95
	480V	Α	0.75
	500V	Α	0.72
	600V	Α	0.6
Operating current DC13			
	125V	A	0.11
	600V	A	0.22
Conventional free air thermal current Ith		Α	10
Terminals			0
	type		Screw and washer
	screw		M3,5
	width	mm	7
	tool	111111	Phillips 2
Conductor section	1001		1 mmpo 2
Oction Cocher	Flexible w/o lug max	mm²	2.5
	Flexible c/w lug max	mm²	2.5
Tightening torque for terminals	The same to the sa		
- ignormig to place to terminate	min	Nm	0.8
	max	Nm	0.8
	min	lbft	0.6
	max	lbft	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			
	min	°C	-55
	max	°C	80
Compensation temperature		0.0	0.5
	min	°C	-25 -70
NA 100 I	max	°C	70
Max altitude		m	3000
Mechanical feautures  Operating position			
Operating position	n a res a l		Vertical plan
	normal allowable		Vertical plan ±30°
Weight	allowable	~	195
UL technical data		g	190
Full-load current (FLA) for three-phase AC motor			
	at 480V	Α	2
	at 600V	Α	2
Dimensions			

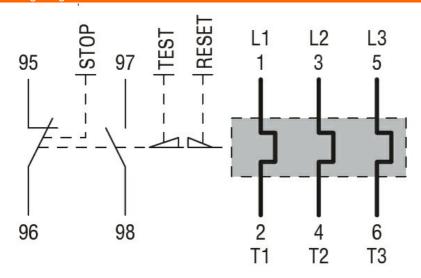
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ENERGY AND AUTOMATION





## 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