## RFN380650



MOTOR PROTECTION RELAY, NON PHASE FAILURE / NON SINGLE PHASE SENSITIVE. THREE POLE (THREE PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 4...6.5A



			11.00
Product designation			RFN38
•			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	16
	aM (IEC)	А	8
	RK5 (UL)	А	25
Phase failure detection			No
Reset mode			Manual or
			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	4
	Operational current max	А	6.5
Tripping class			10A
Test Button			Yes
Trip indicator			Yes
Terminals			
	tuno		Screw and
	type		washer
	screw		M4
	width	mm	12.6
	tool		Phillips 2
Tightening torque for terminals			
	min	Nm	2
	max	Nm	2.5
	min	Ibin	1.5
	max	Ibin	1.8
Conductor section			
	AWG/kcmil max		8
Auxiliary circuit characteristics			
Auxiliary contacts			
	NO	nr.	1

RFN380650

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



MOTOR PROTECTION RELAY, NON PHASE FAILURE / NON SINGLE PHASE SENSITIVE. THREE POLE (THREE PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 4...6.5A

**RFN380650** 

Auxiliary Rated insulation voltage UII EC/EN       V       690         Auxiliary Rated impulse withstand voltage Ump       kV       6         Quartiary Rated impulse withstand voltage Ump       V       600         Quartiary Rated impulse withstand voltage Ump       kV       6         Quartiary Rated impulse withstand voltage Ump       kV       6         Quartiary Rated impulse withstand voltage Ump       kV       6         Quartiary Control AC15       24V       A       3         240V       A       15       380V       A       0.95         480V       A       0.72       600V       A       0.72         600V       A       0.6       0       7       600V       A       0.6         Conductor section       Auxiliary circuit trains       Screw and washer       M3.5		NC	nr.	1
Auxiliary Rated impuble withstand voltage       KV       6         Auxiliary Rated operational voltage       V       690         Operating current AC15       24V       A       3         2400V       A       3       240V       A       3         2400V       A       0.55       380V       A       0.955         380V       A       0.72       500V       A       0.6         Operating current DC13       125V       A       0.11       600V       A       0.22         IEC Conventional free air thermal current Ith       A       10       Terminals       Screw and       Washer         Auxiliary circuit screw       M3.5       Maxiliary circuit screw       M3.5       M3.5         Conductor section       Auxiliary circuit Flexible Wo lug max       mm²       2.5       Tightening torque for terminals       Maxiliary circuit max       M3       1         Auxiliary circuit max       Auxiliary circuit max       M3       0.59       1       0.59         Conductor section       Auxiliary circuit max       M3       1       0.59       1       0.59       1       0.59       1	Auxiliary Rated insulation voltage Ui IEC/EN			
Auxiliary Rated operational voltage       V       690         Operating current AC15       24V       A       3         120V       A       3       120V       A       3         120V       A       3       120V       A       3         240V       A       0.55       500V       A       0.75         500V       A       0.75       500V       A       0.61         Ceperating current DC13       125V       A       0.11       600V       A       0.622         IEC Conventional free air thermal current lth       A       10       Terminals       Screw and washer         Auxiliary circuit type       Screw and washer       Maxiliary circuit treew       M3.5         Auxiliary circuit flexible wo lug max       mm²       2.5       Tightening torque for terminals       Auxiliary circuit mix       mm²       2.5         Tightening torque for terminals       Auxiliary circuit mix       Nm       1       Auxiliary circuit mix       Nm       1         Auxiliary circuit max       Ibin       0.59       Auxiliary circuit max       Nm       1         Auxiliary circuit max       Ibin	· · ·		kV	
24V       A       3         120V       A       1.5         380V       A       0.95         380V       A       0.75         500V       A       0.72         600V       A       0.6         Operating current DC13			V	690
120V       A       3         240V       A       1.5         330V       A       0.95         480V       A       0.75         500V       A       0.6         Operating current DC13       125V       A       0.11         600V       A       0.22       125V       A       10         Terminals       Screw and washer       Washer       Maxiliary circuit troit       With wesher         Auxiliary circuit rowit       Mm       8       2.5       1100       15.5         Conductor section       Auxiliary circuit rowit       Mm       8       3.5       3.5         Tightening torque for terminals       Auxiliary circuit max       Nm       1       3.5       3.5         UL/CSA and IEC/EN 60947-5-1 designation       Auxiliary circ	Operating current AC15			
240V       A       1.5         380V       A       0.95         480V       A       0.75         500V       A       0.72         600V       A       0.6         Operating current DC13       125V       A         125V       A       0.11         600V       A       0.22         EC Conventional free air thermal current Ith       A       10         Terminals       Auxiliary circuit type       Screw and washer         Auxiliary circuit width       mm       8         Auxiliary circuit width       mm       8         Conductor section       Auxiliary circuit Flexible w/o lug max       mm*       2.5         Tightening torque for terminals       Auxiliary circuit max       Nm       1         Auxiliary circuit max       Nm       1       0.59         Auxiliary circuit max		24V	А	3
380V       A       0.95         480V       A       0.75         500V       A       0.72         600V       A       0.6         Operating current DC13       125V       A       0.11         600V       A       0.22       EC         EC Conventional free air thermal current Ith       A       10       Terminals         Screw and washer         Auxiliary circuit type       Screw and         Auxiliary circuit totol       M3.5         Auxiliary circuit totol       Phillips 2         Conductor section       Auxiliary circuit filexible w/o lug max       mm²         Auxiliary circuit max       Mm²       2.5         Tightening torque for terminals       Auxiliary circuit max       Mm²         Auxiliary circuit max       Mm²       2.5         Tightening torque for terminals       Auxiliary circuit max       Mm²         Auxiliary circuit max       Mm²       1         Auxiliary circuit max       Mm²       5.6         Auxiliary circuit max       Mm²       6.6         Auxiliary circuit max       Mm²       6.6         Auxiliary circuit		120V	А	3
480V       A       0.75         500V       A       0.72         600V       A       0.6         Conventional free air thermal current Ith         125V       A       0.11         600V       A       0.22         IEC Conventional free air thermal current Ith       A       10         Terminals       Screw and washer       Screw and washer         Auxiliary circuit type       Screw and washer       Screw and washer         Auxiliary circuit flexible w/o lug max       mm       8         Auxiliary circuit Flexible w/o lug max       mm²       2.5         Tightening torque for terminals       Auxiliary circuit Telexible c/w lug max       mm²       2.5         Tightening torque for terminals       Auxiliary circuit min       Nm       0.8         Auxiliary circuit min       Nm       0.8       8600-R300         Auxiliary circuit min       Nm       1       1         Auxiliary circuit min			А	
500V       A       0.72         0perating current DC13       125V       A       0.11         600V       A       0.22       IEC conventional free air thermal current Ith       A       0.0         Terminals       Auxiliary circuit type       Screw and washer       Washer         Auxiliary circuit screw       M3.5       M3.5         Auxiliary circuit terevitwidth       mm       8         Auxiliary circuit flexible w/o lug max       mm²       2.5         Conductor section       Auxiliary circuit Flexible v/o lug max       mm²       2.5         Tightening torque for terminals       Auxiliary circuit min       Nm       0.8         Auxiliary circuit min       Nm       0.8       Auxiliary circuit max       Nm       1         UL/CSA and IEC/EN 60947-5-1 designation       B600-R300       B600-R300       Ambinit conditions       0.74         UL/CSA and IEC/EN 60947-5-1 designation       C       -25       -25       -25       -25       -25       -25       -25       -25       -25       -25       -25       -25       -25       -25       -25       -25       -25       -25       -26       -26       -2				
600V       A       0.6         Operating current DC13       125V       A       0.11         600V       A       0.22       0.22         IEC Conventional free air thermal current lth       A       10         Terminals       Screw and washer       Muxiliary circuit screw       M3.5         Auxiliary circuit screw       M3.5       M3.5         Auxiliary circuit flexible w/o lug max       mm       8         Auxiliary circuit Flexible w/o lug max       mm²       2.5         Conductor section       Auxiliary circuit Flexible w/o lug max       mm²       2.5         Tightening torque for terminals       Auxiliary circuit flexible w/o lug max       mm²       2.5         Auxiliary circuit min       Nm       0.8       Auxiliary circuit min       Nm       1         Auxiliary circuit min       Nm       1       Auxiliary circuit min       Nm       1         Auxiliary circuit min       Nm       1       B600-R300       Auxiliary circuit max       Nm       1         Auxiliary circuit max       Nm       1       Screw max       *C       60       Screw max       *C       60         Operating temp				
Operating current DC13     125V     A     0.11       600V     A     0.22       IEC Conventional free air thermal current Ith     A     10       Terminals     Auxiliary circuit type     Screw and washer       Auxiliary circuit screw     M3.5       Auxiliary circuit vicith     mm     8       Auxiliary circuit vicith     mm²     2.5       Conductor section     Auxiliary circuit Flexible w/o lug max     mm²     2.5       Tightening torque for terminals     Auxiliary circuit min     Nm     0.8       Auxiliary circuit min auxiliary				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		600V	A	0.6
600V   A   0.22     IEC Conventional free air thermal current lth   A   10     Terminals   Auxiliary circuit type   Screw and washer     Auxiliary circuit screw   Maxiliary circuit screw   M3,5     Auxiliary circuit toscrew   M3,5   M3,5     Conductor section   Auxiliary circuit flexible w/o lug max   mm*   2.5     Conductor section   Auxiliary circuit Flexible w/o lug max   mm*   2.5     Tightening torque for terminals   Auxiliary circuit min   Nm   0.8     Auxiliary circuit min   Nm   0.8   Nm   1     Auxiliary circuit min   Nm   1   0.74   Nm   1     UL/CSA and IEC/EN 60947-5-1 designation   Max   C   60   C     Ambient conditions   Mm   C   -25   C   60     Strage temperature   min   °C   -50   max   °C   60     Max altitude   max   °C   70<	Operating current DC13		_	
IEC Conventional free air thermal current lth     A     10       Terminals     Auxiliary circuit type     Screw and washer       Auxiliary circuit sorew     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 circuit max     mm²     2.5       Tightening torque for terminals     Auxiliary circuit max     Nm     1       Auxiliary circuit max     Nm     1     0.59       Auxiliary circuit max     Nm     1     0.59       Auxiliary circuit max     Nm     1     0.59       Auxiliary circuit max     Nm     1     0.74       UL/CSA and IEC/EN 60947-5-1 designation     B600-R300     B600-R300       Ambient conditions     max     °C     60       Operating temperature     min     °C     -25       max     °C     60     60       Storage temperature     min     °C     -20       max     °C     60     60       Max atitude     ma     3000     max				
Terminals   Auxiliary circuit type   Screw and washer     Auxiliary circuit screw   M3,5     Auxiliary circuit width   mm     Auxiliary circuit tool   Phillips 2     Conductor section   Auxiliary circuit Flexible w/o lug max Auxiliary circuit tool   mm²     Zonductor section   Auxiliary circuit Elexible w/o lug max Auxiliary circuit max   mm²     Tightening torque for terminals   Auxiliary circuit max Auxiliary circuit max   Nm     Auxiliary circuit max   Nm   0.8     Auxiliary circuit max   Nm   1     Operating temperature   min   °C   -25     max   °C   60   1     Max altitude   max   °C   60 <		600V		
Auxiliary circuit type   Screw and washer     Auxiliary circuit screw   M3,5     Auxiliary circuit tool   mm     Auxiliary circuit tool   mm²     Conductor section   Auxiliary circuit Flexible w/o lug max     Auxiliary circuit Flexible w/o lug max   mm²     Auxiliary circuit Flexible c/w lug max   mm²     Auxiliary circuit min   Nm     Auxiliary circuit min   Nm     Auxiliary circuit max   Nm     Maxiliary circuit max   Nm     Maxiliary circuit max   Nm     Operating temperature   min     max   °C     Compensation temperature   min<			A	10
Auxiliary circuit type Auxiliary circuit type Auxiliary circuit tool Auxiliary circuit tool Maxiliary circuit flexible w/o lug max Auxiliary circuit Flexible w/o lug max Auxiliary circuit min Auxiliary circuit min Auxiliary circuit min Auxiliary circuit min Auxiliary circuit min Auxiliary circuit max Auxiliary circuit max Auxilia	I erminals			Corourand
Auxiliary circuit screw Auxiliary circuit width Auxiliary circuit width Auxiliary circuit tool   M3,5 mm     Conductor section   Phillips 2     Conductor section   Muxiliary circuit Flexible w/o lug max Auxiliary circuit Flexible c/w lug max Auxiliary circuit min   mm²   2.5     Tightening torque for terminals   Auxiliary circuit min Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max   Nm   0.8     Auxiliary circuit min Auxiliary circuit min Auxiliary circuit max   Nm   1     Auxiliary circuit min Auxiliary circuit max   Nm   1     Auxiliary circuit max   Nm   1     UL/CSA and IEC/EN 60947-5-1 designation   B600-R300     Ambient conditions   max   °C     Operating temperature   min   °C     Max atitude   max   °C   <		Auxiliary circuit type		
Auxiliary circuit width Auxiliary circuit tool   mm   8 Phillips 2     Conductor section   Auxiliary circuit Flexible w/o lug max Auxiliary circuit Flexible c/w lug max mm²   mm²   2.5     Tightening torque for terminals   mm²   2.5     Auxiliary circuit min Auxiliary circuit min Auxiliary circuit max Auxiliary circuit max   Nm   0.8     Auxiliary circuit min Auxiliary circuit max   Nm   1     Auxiliary circuit min Auxiliary circuit max   Nm   1     Auxiliary circuit max   Nm   1     Operating temperature   min   °C     max   °C   60     Storage temperature   min   °C     max   °C   60     Max altitude   m   3000     Mechanical features   y   400     UL technical data   y   400     Vertical plan   ±30° <td></td> <td>Auxiliany circuit scrow</td> <td></td> <td></td>		Auxiliany circuit scrow		
Auxiliary circuit tool   Phillips 2     Conductor section    mm²   2.5     Auxiliary circuit Flexible c/w lug max   mm²   2.5     Tightening torque for terminals   Auxiliary circuit min   Nm   0.8     Auxiliary circuit max   Nm   1     Auxiliary circuit max   Ibin   0.74     UL/CSA and IEC/EN 60947-5-1 designation   B600-R300     Ambient conditions   B600-R300     Operating temperature   min   °C     max   °C   60     Storage temperature   min   °C     max   °C   70     Compensation temperature   min   °C     max   °C   60     Max altitude   m   3000     Mechanical features   mormal   Vertical plan     Autiliary position   allowable   ±30°     Weight   g   160     UL technical data   Full-load current (FLA) for three-phase AC motor			mm	
Conductor section     Auxiliary circuit Flexible w/o lug max Auxiliary circuit Flexible c/w lug max     mm²     2.5       Tightening torque for terminals     Auxiliary circuit Flexible c/w lug max     mm²     2.5       Auxiliary circuit min Auxiliary circuit min Auxiliary circuit max     Nm     0.8       Auxiliary circuit min Auxiliary circuit max     Nm     1       Auxiliary circuit max     Nm     1       Du/CSA and IEC/EN 60947-5-1 designation     B600-R300       Ambient conditions     B600-R300       Operating temperature     min     °C       max     °C     60       Storage temperature     min     °C       max     °C     60       Max altitude     m     3000       Mechanical features     min     °C       Operating po				
Auxiliary circuit Flexible w/o lug max Auxiliary circut Flexible c/w lug maxmm² mm²2.5Tightening torque for terminalsAuxiliary circuit min Auxiliary circuit max Auxiliary circ	Conductor section			1 1111100 2
Auxiliary circut Flexible c/w lug maxmm²2.5Tightening torque for terminalsAuxiliary circuit min Auxiliary circuit maxNm0.8Auxiliary circuit maxNm1Auxiliary circuit min Auxiliary circuit maxIbin0.59Auxiliary circuit maxIbin0.74UL/CSA and IEC/EN 60947-5-1 designationB600-R300Ambient conditionsB600-R300Operating temperaturemin°C		Auxiliary circuit Flexible w/o lug max	mm²	2.5
Tightening torque for terminals     Auxiliary circuit min Auxiliary circuit max Auxiliary circuit max Nm     Nm     0.8 Nm       Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max Ibin     Nm     1 Auxiliary circuit max Ibin       UL/CSA and IEC/EN 60947-5-1 designation     B600-R300       Ambient conditions     B600-R300       Operating temperature     min     °C       max     °C     60       Storage temperature     min     °C       max     °C     60       Storage temperature     min     °C       Max altitude     max     °C       Max altitude     m     3000       Mechanical features     morral     Vertical plan ±30°       Operating position     normal     Vertical plan ±30°       Weight     g     160       UL technical data     Full-load current (FLA) for three-phase AC motor     at 480V     A     6.5				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Tightening torgue for terminals			
Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max Auxiliary circuit max IbinNm1 IbinUL/CSA and IEC/EN 60947-5-1 designationB600-R300Ambient conditionsB600-R300Operating temperaturemin °C°C60Storage temperaturemin °C°C50 max °C°C60Compensation temperaturemin °C°C-20 max °C°C60Max altitudem0perating position°C°C60Max altitudem0perating positionVertical plan ±30°11Velightg1160UL technical dataFull-load current (FLA) for three-phase AC motorat 480VA6.5 at 600VAA 480VA6.5 at 600V		Auxiliary circuit min	Nm	0.8
Auxiliary circuit min Auxiliary circuit maxIbin0.59 IbinUL/CSA and IEC/EN 60947-5-1 designationB600-R300Ambient conditionsmin°COperating temperaturemin°Cmax°C60Storage temperaturemin°Cmax°C70Compensation temperaturemin°Cmin°C-20 max°CMax attitudemin°C-20 maxMax attitudemin°C-20 maxOperating positionmin°C-20 maxVertical plan allowable±30°Vertical plan ±30°UL technical datag160UL technical dataFull-load current (FLA) for three-phase AC motorat 480VA6.5 6.5		-	Nm	1
UL/CSA and IEC/EN 60947-5-1 designationB600-R300Ambient conditions $\end{tabular}$ Operating temperature $\end{tabular}$ min°C-25max°C60Storage temperaturemin°C-50max°C70Compensation temperaturemin°C-20max°C60Max altitudemin°C-20max°C60Max altitudemin°C-20max°C60Max altitudemin°C-20max°C60Max altitudemin°C-20max°C60Max altitudemin°C-20max°C60Max altitudemin°C-20max°C60Max altitudemin°C-20max°C60Max altitudemin°C-20max°C60Max altitudemin°C-20ratitudemax°C-20ratitude-20ratitudemin°C-20ratitude-20ratitude-20ratitude-20		•	lbin	0.59
Ambient conditions       Operating temperature       min     °C     -25       max     °C     60       Storage temperature     min     °C     -50       max     °C     70     -20       Compensation temperature     min     °C     -20       Max     °C     60     -20       Max altitude     m     3000       Mechanical features     000     -20       Operating position     m     3000       Meight     g     160       UL technical data     Full-load current (FLA) for three-phase AC motor     at 480V     A     6.5       at 600V     A     6.5     -5     -5		Auxiliary circuit max	lbin	0.74
Operating temperaturemin $\mbox{°C}$ °C -25 60Storage temperaturemin $\mbox{°C}$ °C -50 max $\mbox{°C}$ 70Compensation temperaturemin $\mbox{°C}$ °C -20 max $\mbox{°C}$ 60Max altitudem 30003000Mechanical featuresm $\mbox{3000}$ 3000Operating positionnormal $\mbox{4llowable}$ Vertical plan $\mbox{4llowable}$ UL technical datag $\mbox{160}$ 160UL technical dataFull-load current (FLA) for three-phase AC motorat 480V at 600VA A6.5 at 600V				B600-R300
$\begin{array}{c cccc} & & & & & & & & & & & & & & & & & $	Ambient conditions			
$\begin{array}{c cccc} max & ^{\circ}C & 60 \\ \hline Storage temperature & & & & \\ min & ^{\circ}C & -50 & & \\ max & ^{\circ}C & 70 & & \\ \hline Compensation temperature & & & & \\ \hline min & ^{\circ}C & -20 & & \\ max & ^{\circ}C & 60 & & \\ \hline max & ^{\circ}C & 60 & & \\ \hline Max altitude & & m & 3000 & & \\ \hline Mechanical features & & & & \\ \hline Operating position & & & & \\ \hline Operating position & & & & \\ \hline Meight & & g & 160 & & \\ \hline UL technical data & & & \\ \hline Full-load current (FLA) for three-phase AC motor & & \\ \hline at 480V & A & 6.5 & \\ \hline at 600V & A & 6.5 & \\ \hline \end{array}$	Operating temperature			
Storage temperaturemin $^{\circ}C$ $^{\circ}C$ $^{\circ}50$ max $^{\circ}C$ $^{\circ}70$ Compensation temperaturemin $^{\circ}C$ $^{\circ}C$ $^{\circ}20$ max $^{\circ}C$ $^{\circ}60$ Max altitudem $^{\circ}3000$ $^{\circ}Mechanical features$ Operating positionnormal allowableVertical plan $\pm 30^{\circ}$ Weightg $^{\circ}160$ UL technical data $^{\circ}$ $^{\circ}$ Full-load current (FLA) for three-phase AC motor $^{\circ}$ $^{\circ}$ at 480V at 600VA $^{\circ}$ $^{\circ}$		min		
$\begin{array}{c cccc} & \min & ^{\circ}\text{C} & -50 \\ max & ^{\circ}\text{C} & 70 \\ \hline \\ \text{Compensation temperature} & & & & \\ & \min & ^{\circ}\text{C} & -20 \\ max & ^{\circ}\text{C} & 60 \\ \hline \\ \text{Max altitude} & m & 3000 \\ \hline \\ \text{Mechanical features} & & & \\ \hline \\ \text{Operating position} & & & & \\ \hline \\ \text{Operating position} & & & & \\ \hline \\ \text{Meight} & & g & 160 \\ \hline \\ \text{Weight} & & g & 160 \\ \hline \\ \text{UL technical data} & & & \\ \hline \\ \text{Full-load current (FLA) for three-phase AC motor} & & \\ \hline \\ \text{at 480V} & A & 6.5 \\ \hline \\ \text{at 600V} & A & 6.5 \\ \hline \end{array}$		max	°C	60
max°C70Compensation temperaturemin°C-20max°C60Max altitudem3000Mechanical featuresm3000Operating positionnormalVertical planallowable±30°±30°Weightg160UL technical dataFull-load current (FLA) for three-phase AC motorat 480VA6.5	Storage temperature			
Compensation temperature     min     °C     -20       max     °C     60       Max altitude     m     3000       Mechanical features     m     3000       Operating position     retrical plan       allowable     ±30°       Weight     g     160       UL technical data     retrical plan       Full-load current (FLA) for three-phase AC motor     at 480V     A     6.5       at 600V     A     6.5     at 600V     A     6.5				
$\begin{array}{cccc} & \min & ^\circ \text{C} & -20 \\ max & ^\circ \text{C} & 60 \\ \hline \text{Max altitude} & m & 3000 \\ \hline \text{Mechanical features} & & & \\ \hline \text{Operating position} & & & \\ \hline \text{Operating position} & & & \\ \hline \text{Meight} & & & & \\ \hline \text{Weight} & & & & \\ \hline \text{Weight} & & & & \\ \hline \text{UL technical data} & & & \\ \hline \text{Full-load current (FLA) for three-phase AC motor} & & \\ \hline \text{at } 480\text{V} & \text{A} & 6.5 \\ \hline \text{at } 600\text{V} & \text{A} & 6.5 \\ \hline \end{array}$		max	3°	70
max°C60Max altitudem3000Mechanical featuresOperating positionnormal allowableVertical plan ±30°Weightg160UL technical dataFull-load current (FLA) for three-phase AC motorat 480V at 6.5A6.5	Compensation temperature		° <b>^</b>	20
Max altitudem3000Mechanical featuresOperating positionImage: Stress of the stress of t				
Mechanical features       Operating position       normal     Vertical plan       allowable     ±30°       Weight     g     160       UL technical data     Full-load current (FLA) for three-phase AC motor     at 480V     A     6.5       at 600V     A     6.5     at 600V     A     6.5	Max altituda	max		
Operating position     normal vertical plan allowable       ±30°       Weight     g       UL technical data       Full-load current (FLA) for three-phase AC motor       at 480V     A       6.5       at 600V     A			m	3000
normal allowableVertical plan ±30°WeightgUL technical dataFull-load current (FLA) for three-phase AC motorat 480V at 6.5A6.5at 600VA6.5				
allowable±30°Weightg160UL technical data		normal		Vertical plan
Weightg160UL technical dataFull-load current (FLA) for three-phase AC motorat 480VA6.5at 600VA6.5				
UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 6.5 at 600V A 6.5	Weight	aiiowable	n	
Full-load current (FLA) for three-phase AC motor at 480V A 6.5 at 600V A 6.5			Э	
at 480V A 6.5 at 600V A 6.5				
at 600V A 6.5		at 480\/	А	6.5
	Dimensions			

RFN380650

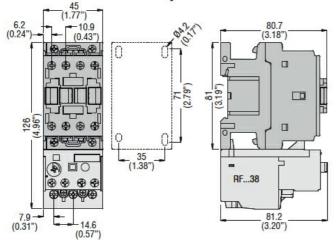


MOTOR PROTECTION RELAY, NON PHASE FAILURE / NON SINGLE PHASE SENSITIVE. THREE POLE (THREE PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 4...6.5A

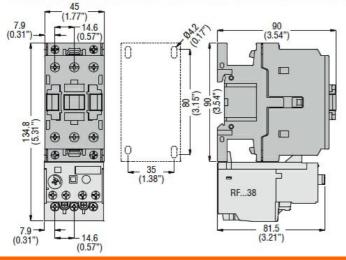
**RFN380650** 

BF00 A... BF09 A... - BF12 A... - BF18 A... - BF25 A... three poles with

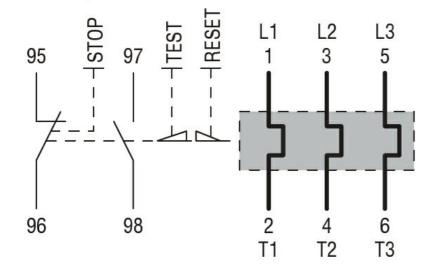
RF...38 thermal overload relay



BF26 00A... - BF32 00A... - BF38 00A... three poles with RF...38 thermal overload relay



Wiring diagrams



## Certifications and compliance

## Compliance

CSA C22.2 n° 14 IEC/EN 60947-1 IEC/EN 60947-4-1

RFN380650



MOTOR PROTECTION RELAY, NON PHASE FAILURE / NON SINGLE PHASE SENSITIVE. THREE POLE (THREE PHASE), MANUAL OR AUTOMATIC RESETTING. DIRECT MOUNTING ON BF09 - BF38 CONTACTORS, 4...6.5A

**RFN380650** 

	UL508
Certifications	
	CCC
	cULus
	EAC