Phase failure / single phase sensitive
Three poles (three phase)

3

11 RF9...

11 RFA9...

Order code	Adjustment range	Protection fuses IEC aM	IEC gG	UL K5	Qty per pkg	Wt
	[A]	[A]	[A]	[A]	n°	[kg]
MANUAL RESETTING. Direct mounting on BG06, BG09, BG12 mini-contactors.						
11 RF9 015	0.09 - 0.15	0.25	—	—	1	0.116
11 RF9 023	0.14 - 0.23	0.5	—	1	1	0.116
11 RF9 033	0.2 - 0.33	0.5	1	1	1	0.116
11 RF9 05	0.3 - 0.5	1	2	3	1	0.116
11 RF9 075	0.45 - 0.75	1	2	3	1	0.116
11 RF9 1	0.6 - 1	2	4	3	5	0.116
11 RF9 1V5	0.9 - 1.5	2	4	6	5	0.116
11 RF9 2V3	1.4 - 2.3	4	6	10	5	0.116
11 RF9 33	2 - 3.3	4	10	10	5	0.116
11 RF9 5	3 - 5	6	16	15	5	0.116
11 RF9 75	4.5 - 7.5	8	20	25	5	0.116
11 RF9 10	6 - 10	10	32	30	5	0.116
11 RF9 15	9 - 15	16	40	45	5	0.116
AUTOMATIC RESETTING. Direct mounting on BG06, BG09, BG12 mini-contactors.						
11 RFA9 015	0.09 - 0.15	0.25	—	—	1	0.116
11 RFA9 023	0.14 - 0.23	0.5	—	1	1	0.116
11 RFA9 033	0.2 - 0.33	0.5	1	1	1	0.116
11 RFA9 05	0.3 - 0.5	1	2	3	1	0.116
11 RFA9 075	0.45 - 0.75	1	2	3	1	0.116
11 RFA9 1	0.6 - 1	2	4	3	1	0.116
11 RFA9 1V5	0.9 - 1.5	2	4	6	1	0.116
11 RFA9 2V3	1.4 - 2.3	4	6	10	1	0.116
11 RFA9 33	2 - 3.3	4	10	10	1	0.116
11 RFA9 5	3 - 5	6	16	15	1	0.116
11 RFA9 75	4.5 - 7.5	8	20	25	1	0.116
11 RFA9 10	6 - 10	10	32	30	1	0.116
11 RFA9 15	9 - 15	16	40	45	1	0.116

NOTE: Two-pole (single phase) versions are available on request.
Add the letter "S" in the order code e.g. 11RF9015 is three pole; 11RFS9015 two pole.
The appropriate adjustment range of the overload relay should be selected on the basis of the motor nameplate full-load current when across the line starting is considered.

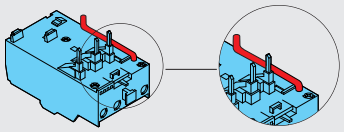
Three-phase IEC motor powers ❶

230V	400V	415V	440V	500V	690V
[kW]	[kW]	[kW]	[kW]	[kW]	[kW]
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	0.37
❷	❷	❷	0.37	0.37	0.55
❷	❷	0.55	0.55	0.55	0.75
0.37	0.55-0.75	0.75	0.75	1.1	1.1-1.5
0.55	1.1	1.1	1.1-1.5	1.5	2.2
0.75-1.1	1.5	1.5-2.2	2.2	2.2	3-3.7
1.5	2.2-3	3-3.7	3-3.7	3-3.7	4
2.2	3.7-4	4	3.7-4	4-5.5	—
3.2	5.5	5.5-7.5	5.5	—	—
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	0.37
❷	❷	❷	0.37	0.37	0.55
❷	❷	0.55	0.55	0.55	0.75
0.37	0.55-0.75	0.75	0.75	1.1	1.1-1.5
0.55	1.1	1.1	1.1-1.5	1.5	2.2
0.75-1.1	1.5	1.5-2.2	2.2	2.2	3-3.7
1.5	2.2-3	3-3.7	3-3.7	3-3.7	4
2.2	3.7-4	4	3.7-4	4-5.5	—
3.2	5.5	5.5-7.5	5.5	—	—

❶ The indicated power apply to 4-pole motors; it is advisable to always check that the nameplate motor current is within the relay adjustment range.
❷ No standard power ratings exist; select relay according to current consumption.

NOTE: To facilitate connection between the auxiliary NC contact of the RF...9 thermal relay and terminal A2 of the contactor, insert the conductor into the appropriate conduit as shown.

RF9...
RFA9...



Certifications and compliance
Certifications obtained:

Type	cULus	CSA	GOST	CCC
RF9... - RFA9...	●	●	●	●

● Certified products.

cULus – UL Listed for USA and Canada (File E93601) as Auxiliary Devices – Thermal Overload Relays, 600VAC, open type, ambient compensated, 5000 Amps RMS symmetrical short circuit rating; the trip current is 120% FLA.
CSA – CSA certified for Canada (File 54332) as Auxiliary Devices for use with magnetic contactors.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-4-1, UL508, CSA C22.2 n° 14.

Non phase failure / non single phase sensitive Three poles (three phase)

11 RFN9...

11 RFNA9...

Order code	Adjustment range	Protection fuses IEC aM	gG	UL K5	Qty per pkg	Wt
	[A]	[A]	[A]	[A]	n°	[kg]
MANUAL RESETTING. Direct mounting on BG06, BG09, BG12 mini-contactors.						
11 RFN9 015	0.09 - 0.15	0.25	—	—	1	0.123
11 RFN9 023	0.14 - 0.23	0.5	—	1	1	0.123
11 RFN9 033	0.2 - 0.33	0.5	1	1	1	0.123
11 RFN9 05	0.3 - 0.5	1	2	3	1	0.123
11 RFN9 075	0.45 - 0.75	1	2	3	1	0.123
11 RFN9 1	0.6 - 1	2	4	3	1	0.123
11 RFN9 1V5	0.9 - 1.5	2	4	6	1	0.123
11 RFN9 2V3	1.4 - 2.3	4	6	10	1	0.123
11 RFN9 33	2 - 3.3	4	10	10	1	0.123
11 RFN9 5	3 - 5	6	16	15	1	0.123
11 RFN9 75	4.5 - 7.5	8	20	25	1	0.123
11 RFN9 10	6 - 10	10	32	30	1	0.123
11 RFN9 15	9 - 15	16	40	45	1	0.123
AUTOMATIC RESETTING. Direct mounting on BG06, BG09, BG12 mini-contactors.						
11 RFNA9 015	0.09 - 0.15	0.25	—	—	1	0.123
11 RFNA9 023	0.14 - 0.23	0.5	—	1	1	0.123
11 RFNA9 033	0.2 - 0.33	0.5	1	1	1	0.123
11 RFNA9 05	0.3 - 0.5	1	2	3	1	0.123
11 RFNA9 075	0.45 - 0.75	1	2	3	1	0.123
11 RFNA9 1	0.6 - 1	2	4	3	1	0.123
11 RFNA9 1V5	0.9 - 1.5	2	4	6	1	0.123
11 RFNA9 2V3	1.4 - 2.3	4	6	10	1	0.123
11 RFNA9 33	2 - 3.3	4	10	10	1	0.123
11 RFNA9 5	3 - 5	6	16	15	1	0.123
11 RFNA9 75	4.5 - 7.5	8	20	25	1	0.123
11 RFNA9 10	6 - 10	10	32	30	1	0.123
11 RFNA9 15	9 - 15	16	40	45	1	0.123

NOTE: The appropriate adjustment range of the overload relay should be selected on the basis of the motor nameplate full-load current when across the line starting is considered.

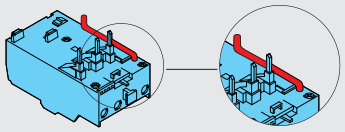
Three-phase IEC motor powers ❶

230V [kW]	400V [kW]	415V [kW]	440V [kW]	500V [kW]	690V [kW]
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	0.37
❷	❷	❷	0.37	0.37	0.55
❷	❷	0.55	0.55	0.55	0.75
0.37	0.55-0.75	0.75	0.75	1.1	1.1-1.5
0.55	1.1	1.1	1.1-1.5	1.5	2.2
0.75-1.1	1.5	1.5-2.2	2.2	2.2	3-3.7
1.5	2.2-3	3-3.7	3-3.7	3-3.7	4
2.2	3.7-4	4	3.7-4	4-5.5	—
3.2	5.5	5.5-7.5	5.5	—	—
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	❷
❷	❷	❷	❷	❷	0.37
❷	❷	❷	0.37	0.37	0.55
❷	❷	0.55	0.55	0.55	0.75
0.37	0.55-0.75	0.75	0.75	1.1	1.1-1.5
0.55	1.1	1.1	1.1-1.5	1.5	2.2
0.75-1.1	1.5	1.5-2.2	2.2	2.2	3-3.7
1.5	2.2-3	3-3.7	3-3.7	3-3.7	4
2.2	3.7-4	4	3.7-4	4-5.5	—
3.2	5.5	5.5-7.5	5.5	—	—

❶ The indicated powers apply to 4-pole motors; it is advisable to always check that the nameplate motor current is within the relay adjustment range.
❷ No standard power ratings exist; select relay according to current consumption.

NOTE: To facilitate connection between the auxiliary NC contact of the RFN...9 thermal relay and terminal A2 of the contactor, insert the conductor into the appropriate conduit as shown.

RFN9...
RFNA9...



Certifications and compliance
Certifications obtained:

Type	cULus	CSA	GOST	CCC
RFN9... - RFNA9...	●	●	●	●

● Certified products.

cULus – UL Listed for USA and Canada (File E93601) as Auxiliary Devices – Thermal Overload Relays, 600VAC, open type, ambient compensated, 5000 Amps RMS symmetrical short circuit rating; the trip current is 120% FLA.
CSA – CSA certified for Canada (File 54332) as Auxiliary Devices for use with magnetic contactors.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-4-1, UL508, CSA C22.2 n° 14.