













Type of contactor		CRMI05	CRMI09	CRNI09	CRNI12	
		NEW product 	NEW product 	NEW product 	NEW product 	
						
Auxiliary contacts NO NC						
Ordering codes		• three-pole • three-pole • four-pole	CRMI05-30-10-... 1 - CRMI05-30-01-... - 1 CRMI05-40-00-... - -	CRMI09-30-10-... 1 - CRMI09-30-01-... - 1 CRMI09-40-00-... - -	CRNI09-30-10-... 1 - CRNI09-30-01-... - 1 CRNI09-40-00-... - -	
Insulation rated voltage [V]		690	690	690	690	
Rated operating current (380 V)	AC3	5	9	9	12	
	AC4	1,9	2,6	3,3	4,3	
Rated outputs of three phase motors at 50 Hz [kW]	AC3	230/220 V	1,3	2,4	2,4	3,3
		400/380 V	2,2	4	4	5,5
		500 V	2,9	4	5,5	7,5
	AC4	690/660 V	3,8	4	5,5	7,5
		1000 V	-	-	-	-
		400/380 V	0,81	1,10	1,48/1,4	2/1,9
Mechanical life (x 10 ⁶)		AC	10	10	15	15
Electrical life (x 10 ⁶)	AC3	0,8	0,4	1,2	1,2	
	AC4	0,2	0,2	0,2	0,2	
Maximum switching frequency (1/h)	AC3	1000	1000	1000	1000	
	AC4	-	-	250	250	
Range of supply coil voltage		(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	
Power consumption of AC coil (50 Hz)	closing [VA]	15	15	68	68	
	cosφ at closing	0,41	0,41	0,82	0,82	
	closed [VA]	6,8	6,8	10	10	
	cosφ at closed	0,42	0,42	0,29	0,29	
Conventional thermal current I _{th} of operating / main contacts [A]		16	16	20	20	
Conventional thermal current I _{th} of auxiliary contacts [A]		10	10	10	10	
Rated insulation voltage of auxiliary contacts [V]		690	690	690	690	
Rated operating current of auxiliary contacts [A]	AC15	-/4	-/4	6/10	6/10	
	380/220 V					
	DC13	0,5/0,3	0,5/0,3	0,9/0,45	0,9/0,45	
Weight [kg]	three-pole	0,18	0,18	0,37	0,37	
	four-pole	0,19	0,19	0,37	0,37	

Coil markings supplement the relays ordering codes.













❶ A024 - 24 V AC 50 Hz
 A230 - 230 V AC 50 Hz
 ❷ A230 - 230 V AC 50 Hz
 For other voltages, contact Relpol S.A.

Coil of contactor 50 Hz

Operating at	50 Hz	60 Hz
	24 V	29 V
	230 V	277 V

Thermal overload relays

Type of thermal overload relay	RSTM	RSTM	RSTN1	RSTN1
Module for installing as a single unit	CRI-310	CRI-310	-	-
Relay base for installing as a single unit	-	-	CRI-320	CRI-320

Type of contactor		CRNI16	CRNI22	CRNI32	CRNI38	
		NEW product 	NEW product 	NEW product 	NEW product 	
						
Auxiliary contacts						
NO NC	Contactors:	NO NC	NO NC	NO NC	NO NC	
Ordering codes	• three-pole	CRNI16-30-00-... ^❶ - -	CRNI22-30-00-... ^❶ - -	CRNI32-30-00-... ^❶ - -	CRNI38-30-00-... ^❶ - -	
Insulation rated voltage [V]		690	690	690	690	
Rated operating current (380 V)	AC3	16	22	32	38	
	AC4	7,7	8,5	15,6	18,5	
Rated outputs of three phase motors at 50 Hz [kW]	AC3	230/220 V	4	5,5	8,5	11
		400/380 V	7,5	11	15	18,5
		500 V	9	11	21	25
	AC4	690/660 V	11	11	23	23
		1000 V	-	-	-	-
		400/380 V	3,5	4	7,5	9
	690/660 V	6	6,6	13	15,5	
Mechanical life (x 10 ⁶)	AC	15	15	10	10	
Electrical life (x 10 ⁶)	AC3	1,2	1,2	1,2	1,2	
	AC4	0,2	0,2	0,2	0,2	
Maximum switching frequency (1/h)	AC3	750	750	750	600	
	AC4	250	250	250	200	
Range of supply coil voltage		(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	
Power consumption of AC coil (50 Hz)	closing [VA]	68	68	101	101	
	cosφ at closing	0,82	0,82	0,83	0,83	
	closed [VA]	10	10	12,1	12,1	
	cosφ at closed	0,29	0,29	0,28	0,28	
Conventional thermal current I _{th} of operating / main contacts [A]		30	30	55	55	
Conventional thermal current I _{th} of auxiliary contacts [A]		10	10	10	10	
Rated insulation voltage of auxiliary contacts [V]		690	690	690	690	
Rated operating current of auxiliary contacts [A]	AC15	4/6	4/6	4/6	4/6	
	380/220 V					
	DC13	1,14/0,48	1,14/0,48	1,14/0,48	1,14/0,48	
	110/220 V					
Weight [kg]		0,45	0,45	0,68	0,68	

Coil markings supplement the relays ordering codes.





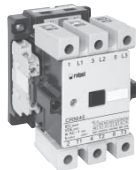


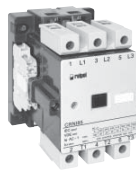




❶ **A024** - 24 V AC 50 Hz
A230 - 230 V AC 50 Hz
 For other voltages, contact Relpol S.A.

Coil of contactor 50 Hz

Operating at	50 Hz	60 Hz
	24 V	29 V
	230 V	277 V

Thermal overload relays

Type of thermal overload relay	RSTN2	RSTN2	RSTN3	RSTN3
Relay base for installing as a single unit	CRI-330	CRI-330	CRI-340	CRI-340

Type of contactor		CRNI45	CRNI63	CRNI75	CRNI85	
		NEW product 	NEW product 	NEW product 	NEW product 	
						
Auxiliary contacts NO NC						
Ordering codes	• three-pole	CRNI45-30-22-... ¹	CRNI63-30-22-... ¹	CRNI75-30-22-... ¹	CRNI85-30-22-... ¹	
	Contactors:	2 2	2 2	2 2	2 2	
Insulation rated voltage [V]		1000	1000	1000	1000	
Rated operating current (380 V)	AC3	45	63	75	85	
	AC4	24	28	34	42	
Rated outputs of three phase motors at 50 Hz [kW]	AC3	230/220 V	15	18,5	22	26
		400/380 V	22	30	37	45
		500 V	30	41	50	59
		690/660 V	39	55	67	67
	AC4	1000 V	7-5	7-5	39	39
		400/380 V	12,6/12	14,7/14	17,9/17	22/21
	690/660 V	21,8/20,8	25,4/24,3	30,9/29,5	38/36	
Mechanical life (x 10 ⁶)	AC	10	10	10	10	
Electrical life (x 10 ⁶)	AC3	1,2	1,2	1,2	1,2	
	AC4	0,2	0,2	0,2	0,2	
Maximum switching frequency (1/h)	AC3	1200	1000	1000	850	
	AC4	400	300	300	250	
Range of supply coil voltage		(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	
Power consumption of AC coil (50 Hz)	closing [VA]	183	183	330	330	
	cosφ at closing	0,6	0,6	0,5	0,5	
	closed [VA]	17	17	32	32	
	cosφ at closed	0,29	0,29	0,23	0,23	
Conventional thermal current I _{th} of operating / main contacts [A]		80	90	100	100	
Conventional thermal current I _{th} of auxiliary contacts [A]		10	10	10	10	
Rated insulation voltage of auxiliary contacts [V]		690	690	690	690	
Rated operating current of auxiliary contacts [A]	AC15	4/6	4/6	4/6	4/6	
	380/220 V					
	DC13	1,14/0,48	1,14/0,48	1,14/0,48	1,14/0,48	
	110/220 V					
Weight [kg]		1,4	1,4	2,3	2,3	

Coil markings supplement the relays ordering codes.

1 **A024** - 24 V AC 50 Hz

A230 - 230 V AC 50 Hz













For other voltages, contact Relpol S.A.

Coil of contactor 50 Hz

Operating at	50 Hz	60 Hz
	24 V	29 V
	230 V	277 V

Thermal overload relays

Type of thermal overload relay	RSTN4	RSTN4	RSTN4	RSTN4
Relay base for installing as a single unit	CRI-350	CRI-350	CRI-350	CRI-350

Type of contactor		CRMI05	CRMI09	CRNI09	CRNI12	
		NEW product 	NEW product 	NEW product 	NEW product 	
						
Auxiliary contacts						
NO NC	Contactors:	NO NC	NO NC	NO NC	NO NC	
Ordering codes	• three-pole • four-pole	CRMI05-30-10-... CRMI05-40-00-...	CRMI09-30-10-... CRMI09-40-00-...	CRNI09-30-00-... CRNI09-40-00-...	CRNI12-30-00-... CRNI12-40-00-...	
		1 - - -	1 - - -	- - - -	- - - -	
Insulation rated voltage [V]		690	690	690	690	
Rated operating current (380 V)	AC3	5	9	9	12	
	AC4	1,9	2,6	3,3	4,3	
Rated outputs of three phase motors at 50 Hz [kW]	AC3	230/220 V	1,3	2,4	2,4	3,3
		400/380 V	2,2	4	4	5,5
		500 V	2,9	4	5,5	7,5
	AC4	690/660 V	3,8	4	5,5	7,5
		1000 V	-	-	-	-
		400/380 V	0,81	1,10	1,48/1,4	2/1,9
	690/660 V	0,86	1,10	2,54/2,4	3,45/3,3	
Mechanical life (x 10 ⁶)	DC	20	20	15	15	
Electrical life (x 10 ⁶)	AC3	0,8	0,4	1,2	1,2	
	AC4	0,2	0,2	0,2	0,2	
Maximum switching frequency (1/h)	AC3	1000	1000	1000	1000	
	AC4	250	250	250	250	
Range of supply coil voltage		(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	
Power consumption of DC coil	closing [W]	3	3	6,2	6,2	
	closed [W]	3	3	6,2	6,2	
Conventional thermal current I _{th} of operating / main contacts [A]		16	16	20	20	
Conventional thermal current I _{th} of auxiliary contacts [A]		10	10	10	10	
Rated insulation voltage of auxiliary contacts [V]		690	690	690	690	
Rated operating current of auxiliary contacts [A]	AC15	-/4	-/4	6/10	6/10	
	380/220 V					
	DC13	0,5/0,3	0,5/0,3	0,9/0,45	0,9/0,45	
	110/220 V					
Weight [kg]	three-pole	0,22	0,22	0,58	0,58	
	four-pole	0,22	0,22	0,58	0,58	













Coil markings supplement the relays ordering codes.

❶ D024 - 24 V DC

For other voltages, contact Relpol S.A.

Thermal overload relays

Type of thermal overload relay	RSTM	RSTM	RSTN1	RSTN1
Module for installing as a single unit	CRI-310	CRI-310	-	-
Relay base for installing as a single unit	-	-	CRI-320	CRI-320

Type of contactor		CRNI16	CRNI22	CRNI32	CRNI38
		NEW product 	NEW product 	NEW product 	NEW product 
					
Auxiliary contacts NO NC					
Ordering codes		• three-pole CRNI16-30-00-... ^① - -	CRNI22-30-00-... ^① - -	CRNI32-30-00-... ^① - -	CRNI38-30-00-... ^① - -
Insulation rated voltage [V]		690	690	690	690
Rated operating current (380 V)	AC3	16	22	32	38
	AC4	7,7	8,5	15,6	18,5
Rated outputs of three phase motors at 50 Hz [kW]	AC3	230/220 V	4	5,5	8,5
		400/380 V	7,5	11	15
		500 V	9	11	21
	AC4	690/660 V	11	11	23
		1000 V	-	-	-
		400/380 V	3,5	4	7,5
Mechanical life (x 10 ⁶)		DC	15	15	10
Electrical life (x 10 ⁶)	AC3	1,2	1,2	1,2	1,2
	AC4	0,2	0,2	0,2	0,2
Maximum switching frequency (1/h)	AC3	750	750	750	600
	AC4	250	250	250	200
Range of supply coil voltage		(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	(0,8 - 1,1) U _s
Power consumption of DC coil	closing [W]	6,2	6,2	11,7	11,7
	closed [W]	6,2	6,2	11,7	11,7
Conventional thermal current I _{th} of operating / main contacts [A]		30	30	55	55
Conventional thermal current I _{th} of auxiliary contacts [A]		10	10	10	10
Rated insulation voltage of auxiliary contacts [V]		690	690	690	690
Rated operating current of auxiliary contacts [A]	AC15	4/6	4/6	4/6	4/6
	380/220 V				
	DC13	1,14/0,48	1,14/0,48	1,14/0,48	1,14/0,48
Weight [kg]		0,70	0,70	1,25	1,25





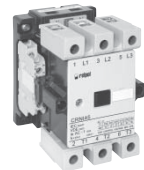







Coil markings supplement the relays ordering codes.

① D024 - 24 V DC

For other voltages, contact Relpol S.A.

Thermal overload relays

Type of thermal overload relay	RSTN2	RSTN2	RSTN3	RSTN3
Relay base for installing as a single unit	CRI-330	CRI-330	CRI-340	CRI-340

Type of contactor		CRNI45	CRNI63	CRNI75	CRNI85	
		NEW product 	NEW product 	NEW product 	NEW product 	
						
Auxiliary contacts						
NO NC	Contactors:	NO NC	NO NC	NO NC	NO NC	
Ordering codes	• three-pole	CRNI45-30-22-... ^①	CRNI63-30-22-... ^①	CRNI75-30-22-... ^①	CRNI85-30-22-... ^①	
		2 2	2 2	2 2	2 2	
Insulation rated voltage [V]		1000	1000	1000	1000	
Rated operating current (380 V)	AC3	45	63	75	85	
	AC4	24	28	34	42	
Rated outputs of three phase motors at 50 Hz [kW]	AC3	230/220 V	15	18,5	22	26
		400/380 V	22	30	37	45
		500 V	30	41	50	59
		690/660 V	39	55	67	67
	AC4	1000 V	7-5	7-5	39	39
		400/380 V	12,6/12	14,7/14	17,9/17	22/21
	690/660 V	21,8/20,8	25,4/24,3	30,9/29,5	38/36	
Mechanical life (x 10 ⁶)	DC	3	3	3	3	
Electrical life (x 10 ⁶)	AC3	1,2	1,2	1,2	1,2	
	AC4	0,2	0,2	0,2	0,2	
Maximum switching frequency (1/h)	AC3	1200	1000	1000	850	
	AC4	400	300	300	250	
Range of supply coil voltage		(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	(0,8 - 1,1) U _s	
Power consumption of DC coil	closing [W]	400	400	420	420	
	closed [W]	2,1	2,1	2,7	2,7	
Conventional thermal current I _{th} of operating / main contacts [A]		80	90	100	100	
Conventional thermal current I _{th} of auxiliary contacts [A]		10	10	10	10	
Rated insulation voltage of auxiliary contacts [V]		690	690	690	690	
Rated operating current of auxiliary contacts [A]	AC15	4/6	4/6	4/6	4/6	
	380/220 V					
	DC13	1,14/0,48	1,14/0,48	1,14/0,48	1,14/0,48	
	110/220 V					
Weight [kg]		1,4	1,4	2,3	2,3	

Coil markings supplement the relays ordering codes.

① D024 - 24 V DC

For other voltages, contact Relpol S.A.

Thermal overload relays

Type of thermal overload relay	RSTN4	RSTN4	RSTN4	RSTN4
Relay base for installing as a single unit	CRI-350	CRI-350	CRI-350	CRI-350