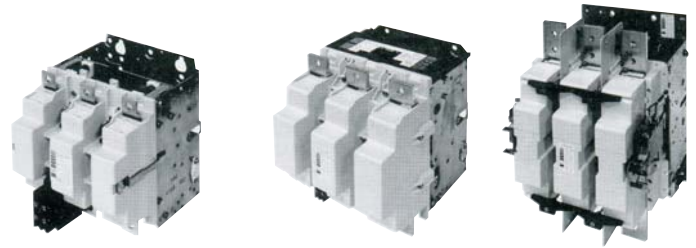




RADE KONČAR KONTAKTORI I RELEI D.O.O.

CONTACTORS

In conformity with: IEC 60947-1: 60947-4
VDE 0660



CONTACTOR		CNM 450	CNM 550	CNM 700	CNM 860	CNM 1000
MECHANICAL DATA						
Protection degree		IP00				
Mechanical endurance	(make/brake oper.x 10 ⁶)	5				1
Max. frequency of no load operation	(op/h)	1200				300
Fixing		Screws fixing				
ELECTRICAL DATA OF POWER CIRCUIT						
Number of main poles		3 (with facility to fit 4th add-on neutral switching pole)				
Rated insulation voltage	Ui (V)	1000				690
Thermal current	Ith (A)	700	800	1000	1100	1200
Rated operational current	le AC1 Ue = 690V t.amb. = 40°C (A) le AC3 Ue = 440V t.amb. = 55°C (A)	700 450	800 550	1000 700	1100 860	1200 1000
Max. Ratings of 3-fase motor at 400V 50 HZ in AC2, AC3	(kW)	250	315	400	500	580
Rated short time withstand current t.amb. = 40°C	1 s (A)	4500	5500	7000	8000	10000
	4 s (A)	4500	5500	7000	8000	10000
	10 s (A)	3600	4400	5600	6900	8000
	15 s (A)	3000	3800	5000	6000	7400
	30 s (A)	2300	3000	3700	4500	5500
Cooling time (without current)	1 min (A)	1800	2300	2800	3400	4000
	2 min (A)	1400	1750	2200	2600	3000
	6 min (A)	900	1150	1600	1800	2100
	15 min (A)	720	850	1150	1350	1600
	Short circuit protection fuses (Ue = 440V) coordination to IEC 60947-4-1	Type 1 gG (A) (A)	630	630	800	1000
Type 2 gG (A) (A)		500	560	-	-	-
Type 2 aM (A) (A)		-	-	-	-	-
Making capacity	coordination to EN 60947- 4-1 (A)	10 x le in AC3				
	max. values	690V (A) 1000V (A)	4500 2000	5500 2500	7000 -	8600 -
Breaking capacity	coordination to EN 60947- 4-1	8 x le in AC3				
	500V (A)	4500	5500	7000	8000	8000
	max. values	690V (A) 1000V (A)	3200 1600	4400 2000	5600 -	6900 -
Main pole resistance	(mΩ)	0.13	0.11	0.1	0.08	0.06
Sizes of connectiong conductors	Cables mm ²	2 x (40x5)	2 x (50x5)	2 x (60x5)	2 x (60x6)	
	Bars mm					
Tightening torque	(Nm)	35	50	60	75	60
Weight (kg)		13.5	14	26.4	27,6	51
ELECTRICAL DATA OF CONTROL CIRCUIT						
Rated control voltage	a.c 50-60Hz (V)	24...600V				48...600V
	d.c (V)	24...440V				48...440V
Coil operation limits	a.c/d.c pick-up (V)	0,85 ... 1,1 Uc				
	a.c drop-out (V)	0,2 ... 0,75 Uc				
	d.c drop-out (V)	0,1 ... 0,6 Uc				
Average coil consumption	a.c/d.c pick-up (VA)	800 ... 950		1350 ... 1600		2400
	d.c pick-up (W)	700 ... 850		1300 ... 1550		2100
	a.c sealed (VA)/ (W)	9 ... 11 / (9...11)		21 ... 25 / (21...25)		70 (69)
	d.c sealed (W)	818 1022		18 ... 22		60
Dimensions AxBxC	(mm)	220 x 250 x 225		280 x 307 x 291		334 x 381 x 345
		220 x 258 x 225		280 x 361 x 291		334 x 490 x 345