

RADE KONCAR CONTACTOR **CNN100 100**A/55kW (AC3, 400V/50Hz); 115(135)A(AC1)

Contactor type			CNN 100
Mechanical endurance	make/brake operations	x10 ⁶	5
nsulation rating		V	1000
Permissible ambient tem		°C	from -25 to +55
	nagnet in cold state with Un		
AC operated	closing	VA	204
	P.F.		0,54
	closed	VA	16
50	P.F.	147	0,26
DC operated	closing	W	200
Coil voltage tolerances	closed	W	3,5 0.85-1.1Un
duration of making and l	preaking		0.03-1.1011
values are also valid for v).8 to 1.1 Un for each in co	oltages of electromagnet from		
10	Alex Complete		0.4.05
AC operated	closing time	ms	9 to 35 9 to 15
	opening time duration of electric arc	ms	9 to 15
OC operated	closing time	ms ms	20 to 50
20 operated	opening time	ms	120 to 150
	duration of electric arc	ms	10 to 15
		1110	
requency of switching	operations		
vithout thermal reley			
utilizati	on category AC1	s/h	1000
	AC2, AC3	s/h	600
	AC4	s/h	200
vith thermal relay		s/h	15
Resistivity to shocks	(square shock)	g/ms	9.6/5 and 5.2/10
Short-circuit protection contactors without overloa Main circuit With fuse links	d relays		3.2.10
acc. To IEC 60947-4-1	Type of coord. "1" gl/gG	A	125/160/160
OIN VDE 0660 Part 102	Type of coord. "2"	A	63/80/100
Sizes of connection condocremental of contact without thermal			
	-	mm ²	
main circuit	Rigid solid		2F 70
	standed	mm²	25-70
	multi-wire conductor with cable shoe	mm ²	-
	standed with cable lug	mm²	25-50
	flatbar	mm	-
	and at the analyst and the set to the		-
	protective conductor with cable lug	mm²	-
	Screw		M8
	Screw head	A.I	
uvilian rairavit	Tightening torque	Nm	4-4.5
auxiliary circuit		2	
	single-wire conductor	mm ²	1-2.5
	multi-wire conductor with cable shoe	mm ²	0.75-1.5
	Screw		M3.5
	Screw head		PZ2
	Tightening torque	Nm	0,8

Loadability of auxiliary contacts Reated continuous current lth; 35C		А	16
AC	Δ.	0	
rated operational current le/AC15	230V	A	6
	400V 500V	A A	4
	690V	A	2,5 2,5
DC	030 V	A	2,5
rated operational current le/DC1; L/R ≤1ms	24V	Α	10
	110V	A	3,2
	220V	A	0,9
	440V	A	0,33
	600V	Α	0,22
rated operational current le/DC13	for 24V	A	10
	110V	A	1,8
	220V 440V	A A	0,9 0,27
	600V	A	0,18
Load carrying capacity of the main contacts			0,10
rated continuus current ith ; 35C		Α	135/135/135
AC1 utilization category			
rated current le/AC1		A	95/105/115
AC2 and AC3 utilization categories	for 230V	kW	22/26/30
(slip-ring and cage motors at 50Hz)	400V	kW	37/45/55
	690V	kW	55/67/67
AC4 utilization category			
(electrical endurance of contacts:120.000	1- /0 0 4	Δ.	00/04/00
rated curent	le/AC4	А	32/34/36
ratings of squirrel-cage motors at 50Hz for	230V	kW	8.7/10.4
ratings of squirer-cage motors at 50 12 101	400V	kW	17/18
	500V	kW	21/24
	690V	kW	20/30
Load carrying capacity of contactors at			
swiyching on and off of a.c. capacitors	le	Α	
(electrical endurance amounts to 0.1 milion swit	tching operations)		
ratings of individual capacitors at 50 Hz for	230V	kvar	-
through one pole	400V	kvar	-
	500V	kvar	-
	690V	kvar	-
ratings of capacitor banks (minimum inductive reactance between two cap switched on in parallel amounts to 6μH:50 Hz	pacitors		
Switched on in parallel amounts to our 1,00 mz	for 230V	kvar	_
	400V	kvar	_
	500V	kvar	_
	690V	kvar	-
Application in stator circuit of motor			
intermitent operation AC2			
stator current at duty factor in intermitent period	lic duty		
	20%	Α	135
	40%	A	110
	60%	A	100
Application in rates circuit of mater	80%	A	90
Application in rotor circuit of motor intermittent operation			
rotor current at duty factor in intermittent period	ic duty		
The second at addy ractor in intermittent period	10%	A	193
	20%	Α	193
<u>\</u> \	40%	A	173
ן ועען ן	60%	A	158
	80%	Α	138
continuous operation		A	138
permissible voltage of motionless rotor			4000
	starting	V	1800 880
counter	regulation current breaking	V	750
Loadability by direct current	current breaking	v	700
DC1 utilization category,non-inductive loads LR	<1 ms		
J. J.,			
rated operational current le			
through one pole	for 24 V	A	90
	60 V	A	75
	110 V	A	12
	220 V	A	2,5
	440 V	A	0,6
	600 V	A	0,48
through three poles connected in series	for 24 V	A	100
andagir and polos connected in series	60 V	A	100
		**	- -

	110 V 220 V 440 V	A A A	100 100 6
utilization categories DC3 to DC5 series and shunt motors (L/R ≤ 15 ms)	600 V	А	3,4
rated operational current le			
through one pole	for 24 V	A	6
	60 V	A	3
	110 V	Α	1,25
	220 V	A	0,35
	440 V	A	0,15
	600 V	A	0,1
through three poles connected in series	for 24 V	А	90
	60 V	A	90
	110 V	A	90
	220 V	Α	3,8
	440 V	A	0,7
	600 V	A	0,4

