



RADE KONCAR CONTACTOR **CNN9** 9A/4.5kW (AC3, 400V/50Hz); 25A(AC1)

Contactor type		4.06	CNN 9
lechanical endurance	make/brake operations	x10 ⁶	5
nsulation rating		V	690
Permissible ambient tem		°C	from -25 to +55
	nagnet in cold state with Un		
AC operated	closing	VA	62
	P.F.		0,75
	closed	VA	7
DC aparatad	P.F.	W	0,3
DC operated	closing	W	-
Coil voltage tolerances	closed	VV	- 0.85-1.1Un
luration of making and I	preaking		0.05-1.1011
	oltages of electromagnet from		
0.8 to 1.1 Un for each in c	0		
	tion of opening time and duration		
of electric arc.			
C operated	closing time	ms	12 to 22
	opening time	ms	4 to 19
	duration of electric arc	ms	10
requency of switching			
vithout thermal reley			
utilizat	on category AC1	s/h	1000
	AC2, AC3	s/h	750
	AC4	s/h	250
vith thermal relay		s/h	15
	<i>i</i>	,	7/5
Resistivity to shocks	(square shock)	g/ms	and
No est a la solit a ser ta a than	- 1		4.2/10
Short-circuit protection			
ontactors without overloa /ain circuit	d relays		
Vith fuse links			
acc. To IEC 60947-4-1	Type of coord "1" gl/gC	А	25
	Type of coord. "1" gl/gG		
DIN VDE 0660 Part 102 Sizes of connection con	Type of coord. "2"	A	20
or contact without thermal			
	2	mm ²	
nain circuit	single-wire conductors		1.5-6
	multi-wire conductir with cable shoe	mm ²	1.5-6
	Screw		M4
	Screw head	N.I	PZ2
unviliant aireuit	Tightening torque	Nm	1,2
uxiliary circuit	stands of the second second	2	4.0 -
	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
oadability of auxiliary c			10
Reated continuous current		A	10
ated operational current le		A	6
	230V	A	6
	400V	A	4
	500V	A	2
ated operational current le	690V e/DC13 for 24V	A A	1 4

	110V	А	0,6
	230V	A	0,3
Load carrying capacity of the main conta	acts		
rated continuus current ith			05
AC1 utilization category		A	25
rated operational current le/AC1	(cm 000)/	A	25
AC2 and AC3 utilization categories	for 230V	kW	3,2
(slip-ring and cage motors at 50Hz)	400V	kW	4,5
	690V	kW	5,5
AC4 utilization category			
(electrical endurance of contacts:120.000			
rated curent	le/AC4	A	4,5
ratings of squirrel-cage motors at 50Hz	for 230V	kW	0,75
	400V	kW	1,9
	500V	kW	1,9
	690V	kW	1,5
Loadability by direct current			
DC1 utilization category, non-inductive load			
rated operational current le	for 24V	A	20
through one pole	48V	A	20
	110V	A	2,1
	220V	A	0,8
	440V	A	0,6
	600V	A	0,6
through three poles connected in series	for 24V	A	20
	48V	A	20
	110V	A	20
	220V	A	20
	440V	A	1,3
	600V	A	1
utilization category DC3 to DC5			
series and shunt motors (L/R15 ms)			
rated operational current le	for 24V	А	20
through one pole	48V	A	5
	110V	A	1,5
	220V	A	0,75
	440V	A	-
	600V	A	-
through three poles connected in series	for 24V	A	20
	48V	A	20
	110V	A	20
	220V	A	1,5
	440V	A	0,2
	600V	A	0,2
	000 v	A	0,∠

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CNN 9 +BP2(BP4) () 1 200 1004 A2 () 1 220m 504 12 • • • • **A.A.A** U U 1 . 45

CNN 9 +2xBP3 H-O T O C \$ 0 0 10 45 65





Drilling plan (mm)