



## RADE KONCAR CONTACTOR **CNN9** 9A/4.5kW (AC3, 400V/50Hz); 25A(AC1) In conformity with standard IEC 60947-4-1

Contactor type	and allowed a constitution	. 406	CNN 9
Mechanical endurance	make/brake operations	x10 <sup>6</sup>	5
nsulation rating		· · · · · · · · · · · · · · · · · · ·	690
ermissible ambient tem		°C	from -25 to +55
	nagnet in cold state with Un	1//	00
AC operated	closing P.F.	VA	62 0.75
	closed	VA	0.75
	P.F.	VA	0.3
DC operated	closing	W	-
DO operated	closed	W	_
oil voltage tolerances	0.0004		0.85-1.1Un
uration of making and I	preaking		
values are also valid for v	oltages of electromagnet from		
.8 to 1.1 Un for each in co	old and warm state).		
otal breaking time is addi	tion of opening time and duration		
f electric arc.			
C operated	closing time	ms	12 to 22
	opening time	ms	4 to 19
reassement of emitable e	duration of electric arc	ms	10
requency of switching of its state of the real of the real of the real reley of the real o	operations		
,	on category AC1	s/h	1000
utilizati	AC2. AC3	s/h	750
	AC4	s/h	250
rith thermal relay	7.01	s/h	15
nar aroma rolay		0,11	7/5
Resistivity to shocks	(square shock)	g/ms	and
•	,	· ·	4.2/10
hort-circuit protection	of		
ontactors without overloa	d relays		
lain circuit			
Vith fuse links			
icc. To IEC 60947-4-1	Type of coord. "1" gl/gG	Α	25
IN VDE 0660 Part 102	Type of coord. "2"	A	20
izes of connection con			
or contact without thermal	relay		
nain circuit	single-wire conductors	mm <sup>2</sup>	1.5-6
	multi-wire conductir with cable shoe	mm <sup>2</sup>	1.5-6
	Screw		M4
	Screw head		PZ2
	Tightening torque	Nm	1.2
uxiliary circuit			
	single-wire conductor	mm <sup>2</sup>	1-2.5
	multi-wire conductor with cable shoe	mm <sup>2</sup>	0.75-1.5
	Screw		M3.5
	Screw head		PZ2
	Tightening torque	Nm	0.8
oadability of auxiliary c			
eated continuous current		A	10
ated operational current le		A	6
	230V	A	6
	400V	A	4
	500V	A	2
	690V	A	1
ated operational current le	e/DC13 for 24V	A	4

	110V	А	0.6
	230V	A	0.3
Load carrying capacity of the main conta	icts		
rated continuus current ith			
AC1 utilization category		A	25
rated operational current le/AC1		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	s L/R1 ms		
rated operational current le	for 24V	A	20
through one pole	48V	A	20
	110V	A	2.1
	220V	Α	0.8
	440V	A	0.6
	600V	A	0.6
through three poles connected in series	for 24V	Α	20
g F	48V	A	20
	110V	A	20
	220V	A	20
	440V	A	1.3
	600V	A	1
utilization category DC3 to DC5	000 v	,,	•
series and shunt motors (L/R15 ms)			
rated operational current le	for 24V	Α	20
through one pole	48V	A	5
an eagh and pare	110V	A	1.5
	220V	A	0.75
	440V	A	-
	600V	A	_
through three poles connected in series	for 24V	A	20
anough anot poice connected in selles	48V	Ā	20
	110V	A	20
	220V	Ä	1.5
	440V	A	0.2
	600V	A	0.2
	000 V	A	U.Z

