

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

Contactor type			CNN 9
Mechanical endurance	make/brake operations	x10 ⁶	5
Insulation rating		V	690
Permissible ambient ten	perature	°C	from -25 to +55
Consumption of electron	nagnet in cold state with Un		
AC operated	closing	VA	62
	P.F.		0,75
	closed	VA	7
DC operated	P.F. closing	W	0,3
DC operated	closed	Ŵ	-
Coil voltage tolerances	66564	v v	0.85-1.1Un
duration of making and	preaking		
	oltages of electromagnet from		
0.8 to 1.1 Un for each in c	old and warm state).		
	tion of opening time and duration		
of electric arc.			
	destander a		10 10 00
AC operated	closing time	ms	12 to 22 4 to 19
	opening time duration of electric arc	ms ms	10
Frequency of switching		1115	10
without thermal relev			
,	on category AC1	s/h	1000
	AC2, AC3	s/h	750
	AC4	s/h	250
with thermal relay		s/h	15
			7/5
Resistivity to shocks	(square shock)	g/ms	and
Short-circuit protection			4.2/10
contactors without overloa			
Main circuit	u leidys		
With fuse links			
acc. To IEC 60947-4-1	Type of coord. "1" gl/gG	А	25
DIN VDE 0660 Part 102	Type of coord. "2"	A	20
Sizes of connection con	ductors		
or contact without therma	relay		
main circuit	single-wire conductors	mm ²	1.5-6
	multi-wire conductir with cable shoe	mm ²	1.5-6
	Screw		M4
	Screw head		PZ2
	Tightening torque	Nm	1,2
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
a a da la ll tra a fra con 10 c	Tightening torque	Nm	0,8
Loadability of auxiliary of Reated continuous current		۸	10
ated operational current lo		AAA	10 6
	230V	A	6
	400V	A	4
	400V 500V	Â	2
	690V	A	1
ated operational current le		A	4
	110V	A	0,6

Load carrying capacity of the main conta	acts		
rated continuus current ith		05	
AC1 utilization category		A	25
rated operational current le/AC1 AC2 and AC3 utilization categories	for 230V	A kW	25 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	А	0,8
	440V	А	0,6
	600V	А	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	000 V	7	1
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	А	-
	600V	А	-
through three poles connected in series	for 24V	А	20
	48V	А	20
	110V	A	20
	220V	A	1,5
	440V	A	0,2
	600V	A	0,2

CNN 9

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CNN 9 +BP2(BP4)

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CNN 9 +2xBP3

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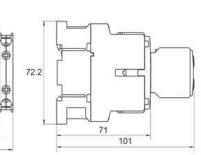
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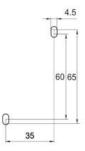
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Drilling plan (mm)