

## RADE KONCAR CONTACTOR CNN40 40A/18,5kW (AC3, 400V/50Hz); 50A(AC1)

Contactor type				CNN 40
Mechanical endurance		make/brake operations	x10 <sup>6</sup>	5
Insulation rating			V	690
Permissible ambient tem			°C	from -25 to +55
Consumption of electron	_	te with Un		
AC operated	closing		VA	65
	P.F. closed		VA	0,75 8
	P.F.		٧٨	0,3
DC operated	closing		W	125
	closed		W	2,8
Coil voltage tolerances				0.85-1.1Un
duration of making and I (values are also valid for v 0.8 to 1.1 Un for each in control breaking time is additional of electric zrc.	oltages of electromold and warm state	).		
AC operated	closing time		ms	12 to 22
	opening time		ms	4 to 19
	duration of elec	ric arc	ms	10
Frequency of switching	operations			
without thermal reley	on category	AC1	s/h	1000
dillizati	on category	AC2, AC3	s/h	750
		AC4	s/h	250
with thermal relay			s/h	15
Resistivity to shock	(square shock)		g/ms	8.2/5 and 4.9/10
Short-circuit protection	of			4.0/10
contactors without overloa  Main circuit  With fuse links				
acc. To IEC 60947-4-1 DIN VDE 0660 Part 102	Type of coord. '		A A	63 40
Sizes of connection con-				
for contact without thermal	relay			
main circuit	single-wire cond	luctors	mm <sup>2</sup>	2.5-10
		uctor with cable shoe	mm <sup>2</sup>	2.5-16
	Screw			M4
	Screw head Tightening torqu	10	Nm	PZ2 1,6
auxiliary circuit	rightering torqu		INIII	1,0
,	single-wire cond	luctor	$mm^2$	1-2.5
	-	ictor with cable shoe	$mm^2$	0.75-1.5
	Screw			M3.5
	Screw head			PZ2
L 1-1-120 1	Tightening torqu	16	Nm	0,8
Reated continuous current			А	
rated operational current le		for 24V	A	-
rated operational current is	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	230V	A	-
		400V	А	-
		500V	A	-
rated operational current le/DC13		690V	A	-
		for 24V 110V	A A	-
		230V	Ä	_

## Load carrying capacity of the main contacts

Load carrying capacity of the main contacts	5		
rated continuus current ith			=0
AC1 utilization category		A	50
rated operational current le/AC1		A	50
AC2 and AC3 utilization categories	for 230V	kW	11
(slip-ring and cage motors at 50Hz)	400V	kW	18,5
1	690V	kW	22
AC4 utilization category			
(electrical endurance of contacts:120.000			
rated curent	le/AC4	A	15,8
ratings of squirrel-cage motors at 50Hz	for 230V	kW	5,5
	400V	kW	7,5
	500V	kW	7,5
	690V	kW	7,5
Loadability by direct current			
DC1 utilization category, non-inductive loads L	/R1 ms		
rated operational current le	for 24V	A	50
through one pole	48V	A	23
	110V	A	4,5
	220V	A	1
	440V	A	0,4
	600V	A	0,25
through three poles connected in series	for 24V	A	50
	48V	A	45
	110V	A	45
	220V	A	45
	440V	A	2,9
	600V	A	1,4
utilization category DC3 to DC5			
series and shunt motors (L/R15 ms)			
rated operational current le	for 24V	A	35
through one pole	48V	A	6
	110V	A	2,5
	220V	A	1
	440V	A	0,1
	600V	Α	0,06
through three poles connected in series	for 24V	A	50
	48V	A	50
	110V	A	50
	220V	A	25
	440V	A	0,6
	600V	A	0,35

