



RADE KONCAR CONTACTOR CNN40 38A/18,5kW (AC3, 400V/50Hz); 50A(AC1)

			CNN 40
Mechanical endurance	make/brake operations	x10 ⁶	5
nsulation rating	•	V	690
Permissible ambient ten	nperature	°C	from -25 to +55
	magnet in cold state with Un		
AC operated	closing	VA	65
	P.F.	\/A	0,75
	closed P.F.	VA	8 0,3
DC operated	closing	W	125
DO operated	closed	W	2,8
Coil voltage tolerances	3,000	•	0.85-1.1Un
duration of making and	breaking		
	oltages of electromagnet from		
0.8 to 1.1 Un for each in c	,		
	lition of opening time and duration		
of electric zrc.			
AC operated	closing time	ms	12 to 22
to operated	opening time	ms	4 to 19
	duration of electric arc	ms	10
requency of switching			-
vithout thermal reley			
utilizat	ion category AC1	s/h	1000
	AC2, AC3	s/h	750
sith the same of and or	AC4	s/h	250
vith thermal relay		s/h	15 8.2/5
Resistivity to shock	(square shock)	g/ms	6.2/5 and
tesistivity to shock	(Square shook)	9,1110	4.9/10
Short-circuit protection	of		110, 10
contactors without overloa	ad relays		
//ain circuit			
Nith fuse links			
Vith fuse links acc. To IEC 60947-4-1	Type of coord. "1" gl/gG	A	63
Vith fuse links cc. To IEC 60947-4-1 DIN VDE 0660 Part 102	Type of coord. "2"	A A	63 40
Vith fuse links lcc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con	Type of coord. "2"		
Vith fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma	Type of coord. "2" ductors Il relay	A	40
With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma	Type of coord. "2" ductors Il relay single-wire conductors	A mm²	2.5-10
With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma	Type of coord. "2" iductors il relay single-wire conductors multi-wire conductor with cable shoe	A	2.5-10 2.5-16
Vith fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma	Type of coord. "2" Iductors Il relay single-wire conductors multi-wire conductor with cable shoe Screw	A mm²	2.5-10 2.5-16 M4
Vith fuse links lcc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma	Type of coord. "2" iductors il relay single-wire conductors multi-wire conductor with cable shoe	A mm²	2.5-10 2.5-16
With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without thermanain circuit	Type of coord. "2" Iductors Il relay single-wire conductors multi-wire conductor with cable shoe Screw Screw head	A mm² mm²	2.5-10 2.5-16 M4 PZ2
With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without thermanain circuit	Type of coord. "2" Iductors Il relay single-wire conductors multi-wire conductor with cable shoe Screw Screw head	A mm² mm²	2.5-10 2.5-16 M4 PZ2
With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without thermanain circuit	Type of coord. "2" Iductors Il relay single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque	A mm² mm² Nm mm²	2.5-10 2.5-16 M4 PZ2 1,6
With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma main circuit	Type of coord. "2" Iductors Il relay single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque single-wire conductor	A mm² mm² Nm	2.5-10 2.5-16 M4 PZ2 1,6
With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without thermanain circuit	Type of coord. "2" Iductors Il relay single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe	A mm² mm² Nm mm²	2.5-10 2.5-16 M4 PZ2 1,6 1-2.5 0.75-1.5
With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without thermal nain circuit	Type of coord. "2" Iductors Il relay single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw Screw Screw Screw Screw head Tightening torque	A mm² mm² Nm mm²	2.5-10 2.5-16 M4 PZ2 1,6 1-2.5 0.75-1.5 M3.5
With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma nain circuit auxiliary circuit	Type of coord. "2" Iductors Il relay single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw Screw Screw Screw Screw head Tightening torque contacts	Mm² mm² Nm mm² mm²	2.5-10 2.5-16 M4 PZ2 1,6 1-2.5 0.75-1.5 M3.5 PZ2
With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma main circuit auxiliary circuit Coadability of auxiliary of Reated continuous curren	Type of coord. "2" Iductors Il relay single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw Screw Tightening torque Screw Screw	A mm² mm² Nm mm² Nm A	2.5-10 2.5-16 M4 PZ2 1,6 1-2.5 0.75-1.5 M3.5 PZ2
Vith fuse links loc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma nain circuit uuxiliary circuit coadability of auxiliary of Reated continuous curren	Type of coord. "2" Iductors Il relay single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw Screw head Tightening torque contacts t lth; 35C e/AC15 for 24V	A mm² mm² Nm mm² Nm A A	2.5-10 2.5-16 M4 PZ2 1,6 1-2.5 0.75-1.5 M3.5 PZ2
With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma main circuit auxiliary circuit Coadability of auxiliary of Reated continuous curren	Type of coord. "2" Inductors If relay single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw Screw Screw head Tightening torque Contacts It Ith; 35C e/AC15 for 24V 230V	Mm² mm² Nm mm² mm² nmm² Mm A A A	2.5-10 2.5-16 M4 PZ2 1,6 1-2.5 0.75-1.5 M3.5 PZ2
With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma main circuit auxiliary circuit Coadability of auxiliary of Reated continuous curren	Type of coord. "2" Inductors In relay single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw Screw Screw Screw head Tightening torque contacts It Ith; 35C e/AC15 for 24V 230V 400V	Mm² mm² Nm mm² mm² nmm² Nm A A A A	2.5-10 2.5-16 M4 PZ2 1,6 1-2.5 0.75-1.5 M3.5 PZ2
With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma main circuit auxiliary circuit Coadability of auxiliary of Reated continuous curren	Type of coord. "2" Iductors If relay single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw Screw head Tightening torque contacts t Ith; 35C e/AC15 for 24V 230V 400V 500V	Mm² mm² Nm mm² mm² Nm A A A A A A	2.5-10 2.5-16 M4 PZ2 1,6 1-2.5 0.75-1.5 M3.5 PZ2
Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma main circuit auxiliary circuit Loadability of auxiliary of acted continuous current I acted operational current I	Type of coord. "2" Iductors Il relay single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw head Tightening torque contacts t lth; 35C e/AC15 for 24V 230V 400V 500V 690V	Mm² mm² Nm mm² mm² nmm² Nm A A A A	2.5-10 2.5-16 M4 PZ2 1,6 1-2.5 0.75-1.5 M3.5 PZ2

Load carrying capacity of the main contacts rated continues current if AC1 utilization category A 50 50 AC2 and AC3 utilization categories For 230V RW 11 11 11 11 12 13 15 15 15 15 15 15 15		230V	A	-
AC1 utilization category rated operational current le/AC1	Load carrying capacity of the main contact			
rated operational current le/AC1 A 50 AC2 and AC3 utilization categories (slip-ring and cage motors at 50Hz) for 230V kW 11 (slip-ring and cage motors at 50Hz) 690V kW 22 AC4 utilization category (electrical endurance of contacts:120.000 rated current le/AC4 A 15,8 ratings of squirrel-cage motors at 50Hz A00V kW 5,5 soov KW 7,5 soov A 4 soo	rated continuus current ith			
AC2 and AC3 utilization categories for 230V kW 11 (slip-ring and cage motors at 50Hz) 400V kW 22			A	50
(slip-ring and cage motors at 50Hz) 400V (above the control of the cont	rated operational current le/AC1		A	50
G90V KW 22	AC2 and AC3 utilization categories	for 230V	kW	11
AC4 utilization category (electrical endurance of contacts:120.000	(slip-ring and cage motors at 50Hz)	400V	kW	18,5
(electrical endurance of contacts:120.000 rated curent rated curent le/AC4 A 15,8 ratings of squirrel-cage motors at 50Hz for 230V kW 7,5 500W kW 7,5 50W 7,5 50W kW 7,5 50W 7,5 50W <td< td=""><td></td><td>690V</td><td>kW</td><td>22</td></td<>		690V	kW	22
rated curent	AC4 utilization category			
ratings of squirrel-cage motors at 50Hz for 230V kW 7,5 500V kW 7,				
March Marc	rated curent	le/AC4	A	15,8
SOOV KW 7.5	ratings of squirrel-cage motors at 50Hz	for 230V	kW	5,5
Content		400V	kW	7,5
DC1 utilization category, non-inductive loads L/R1 ms rated operational current le		500V	kW	7,5
DC1 utilization category, non-inductive loads L/R1 ms rated operational current le for 24V A 50 through one pole 48V A 4,5 23 110V A 1,5 220V A 1 1 440V A 0,25 through three poles connected in series for 24V A 45 110V A 55 110		690V	kW	7,5
rated operational current le for 24V A 50 through one pole 48V A 23 110V A 4,5 220V A 11 44VV A 0,4 0,25 through three poles connected in series for 24V A 45 45 110V A 2,9 600V A 1,4 45 110V A 6,5 6,5 6,5 6,5 6,5 6,5 6,5 6,5 6,5 6,5	Loadability by direct current			
through one pole				
110V A 4,5 220V A 1 440V A 0,4 600V A 0,25 through three poles connected in series for 24V A 45 48V A 45 110V A 45 220V A 45 440V A 25 600V 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 6 through one pole 48V A 6 110V A 2,5 220V A 1 48V A 6 6 110V A 2,5 220V A 1 48V A 6 6 110V A 2,5 600V A 0,06 through three poles connected in series for 24V A 0,1 600V A 0,06 through three poles connected in series for 24V A 50 440V A 0,1 600V A 0,06 through three poles connected in series for 24V A 50 440V A 0,06 600V A 50 220V A 50	rated operational current le	for 24V	A	50
220V	through one pole	48V	A	23
A		110V	A	4,5
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 through one pole 48V A 6 110V A 2,5 220V A 1 40V A 2,5 220V A 1 410V A 6 110V A 2,5 220V A 1 440V A 0,1 600V A 0,06 through three poles connected in series for 24V A 50 48V A 50 600V A 0,66 600V A 0,35		220V	A	1
through three poles connected in series for 24V		440V	A	0,4
48V A 45 110V 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 6 through one pole 48V A 6 110V A 2,5 220V A 1 440V A 0,1 600V A 0,066 through three poles connected in series for 24V A 50 48V A 0,1 600V A 50 110V A 50 220V A 50 110V A 50 11		600V	A	0,25
48V A 45 110V 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 6 through one pole 48V A 6 110V A 2,5 220V A 1 440V A 0,1 600V A 0,066 through three poles connected in series for 24V A 50 48V A 0,1 600V A 50 110V A 50 220V A 50 110V A 50 11				
110V	through three poles connected in series	for 24V	A	50
220V		48V	A	45
440V		110V	A	45
600V A 1,4 utilization category DC3 to DC5 series and shunt motors (L/R15 ms) rated operational current le for 24V A 6 through one pole 48V A 6 110V A 2,5 220V A 1 440V A 0,1 600V A 0,06 through three poles connected in series for 24V A 50 110V A 50 220V A 50 000V A 50 000		220V	A	
utilization category DC3 to DC5 series and shunt motors (L/R15 ms) rated operational current le for 24V A 6 6 through one pole 48V A 6 6 110V A 2,5 220V A 1 440V A 0,16 600V A 0,06 through three poles connected in series for 24V A 50 48V A 50 110V A 50 220V A 50 220V A 50 220V A 50 50 110V A 50 220V A 50 50 110V A 50 600V		440V	A	2,9
rated operational current le for 24V A 6 6		600V	A	1,4
rated operational current le through one pole 48V A 6 110V A 2,5 220V A 1 440V A 0,11 600V A 0,066 through three poles connected in series for 24V A 50 48V A 50 110V A 50 220V A 50 220V A 50 48V A 50 220V A 50 220V A 50 220V A 50 50 220V A 50 50 600V A 50				
through one pole	series and shart motors (E1710 ms)			
through one pole	rated operational current le	for 24V	Α	35
110V A 2,5 220V A 1 440V A 0,1 600V A 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 CNN 40 CNN 40 CNN 40 Drilling plan (mr				
220V A 1 440V A 0,1 600V A 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 CNN 40 CNN 40 CNN 40 Drilling plan (mr		110V	A	
440V A 0,1 600V A 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 CNN 40 CNN 40 CNN 40 Drilling plan (mr		220V	A	
600V A 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 CNN 40 CNN 40 CNN 40 Drilling plan (mr			A	0.1
Have the second of the second		600V	А	,
Have the second of the second	through three poles connected in series	for 24\/	۸	50
110V A 50 220V A 25 440V A 0,6 600V A 0,35 CNN 40 CNN 40 CNN 40 Drilling plan (mr	unough under poles connected in selles			
220V A 25 440V A 0,6 600V A 0,35 CNN 40 CNN 40 CNN 40 Drilling plan (mr				
440V A 0,6 600V A 0,35 CNN 40 CNN 40 CNN 40 Drilling plan (mr				
600V A 0,35 CNN 40 CNN 40 Drilling plan (mr				
CNN 40 CNN 40 CNN 40 Drilling plan (mr				
	CNN 40 CNN 40		, ,	,
				Drilling plan (mm)
	A ¹ - A	A1 A2		5

