



RADE KONCAR CONTACTOR CNN12 12A/5,7kW (AC3, 400V/50Hz); 25A(AC1)

Contactor type			CNN 12
lechanical endurance	make/brake operations	x10 ⁶	5
nsulation rating		V	690
ermissible ambient tem		°C	from -25 to +55
	nagnet in cold state with Un	\/A	00
AC operated	closing P.F.	VA	62 0,75
	closed	VA	7
	P.F.	V/1	0,3
DC operated	closing	W	123
·	closed	W	2,8
oil voltage tolerances			0.85-1.1Un
0.8 to 1.1 Un for each in co	oltages of electromagnet from		
AC operated	closing time	ms	12 to 22
to operated	opening time	ms	4 to 19
	duration of electric arc	ms	10
Frequency of switching on the control of the contro			
utilizatio	on category AC1	s/h	1000
	AC2, AC3 AC4	s/h s/h	750 250
vith thermal relay	A04	s/h	15
vitir triorinal rolay		5/11	7/5
Resistivity to shocks	(square shock)	g/ms	and 4.2/10
Short-circuit protection of contactors without overload Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102		A A	25 20
Sizes of connection cond			
or contact without thermal		2	
nain circuit	single-wire conductors	mm ²	1.5-6
	multi-wire conductor with cable shoe	mm ²	1.5-6
	Screw		M4
			D70
	Screw head	Nm	PZ2 1.2
uxiliary circuit		Nm	PZ2 1,2
auxiliary circuit	Screw head Tightening torque		
uxiliary circuit	Screw head	Nm mm² mm²	1,2
uxiliary circuit	Screw head Tightening torque single-wire conductor	mm^2	1,2 1-2.5
uxiliary circuit	Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe	mm^2	1,2 1-2.5 0.75-1.5
ŕ	Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw Screw head Tightening torque	mm^2	1,2 1-2.5 0.75-1.5 M3.5
oadability of auxiliary co	Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw Screw head Tightening torque	mm² mm² Nm	1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8
oadability of auxiliary co	Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw head Tightening torque contacts Ith; 35C	mm² mm² Nm	1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8
oadability of auxiliary co	Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw Screw head Tightening torque portacts Ith; 35C //AC15 for 24V	mm² mm² Nm A A	1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8
oadability of auxiliary co	Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw head Tightening torque Difficulty Strew head Tightening torque Difficulty Tightening torque	mm² mm² Nm A A A	1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8
_oadability of auxiliary c	Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw Screw head Tightening torque contacts lth; 35C //AC15 for 24V 230V 400V	mm² mm² Nm A A A	1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8 10 6 6 6
_oadability of auxiliary c	Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw head Tightening torque Difficulty Strew head Tightening torque Difficulty Tightening torque	mm² mm² Nm A A A	1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8
auxiliary circuit coadability of auxiliary coadability of auxiliary coated continuous current leated operational	Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe Screw Screw head Tightening torque contacts lth; 35C //AC15 for 24V 230V 400V 500V 690V	mm² mm² Nm A A A A	1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8 10 6 6 6 4 2

		230V	А	0,3
Load carrying of	capacity of the main conta	cts		
rated continuus	current ith			
AC1 utilization c	ategory		A	25
rated operationa	Il current le/AC1		A	25
	tilization categories	for 230V	kW	3,5
	ge motors at 50Hz)	400V	kW	5,7
(- 3	,	690V	kW	7,5
AC4 utilization	category			-,-
	ance of contacts:120.000			
rated curent	a	le/AC4	Α	5
	el-cage motors at 50Hz	for 230V	kW	1,1
ratings or squire	or dage motors at our iz	400V	kW	2,2
		500V	kW	2,2
		690V	kW	2,2
Loadability by	direct current	090 V	KVV	2,2
	ategory, non-inductive loads	1 /P1 ma		
rated operationa		for 24V	Α	20
through one pole		48V	Ä	20
through one pole	=			
		110V	A	2,1
		220V	A	0,8
		440V	A	0,6
4 1 4		600V	A	0,6
through three po	oles connected in series	for 24V	A	20
		48V	A	20
		110V	A	20
		220V	A	20
		440V	A	1,3
		600V	A	1
utilization catego				
series and shunt	t motors (L/R15 ms)			
rated aparations	d ourront lo	for 24V	А	20
rated operational current le through one pole		48V	Ä	5
		110V	Ä	1,5
		220V	A	0,75
		440V	A	-
there were there are less assessments of the confirm		600V	A	-
through three poles connected in series		for 24V	A	20
		48V	A	20
		110V	A	20
		220V	A	6
		440V	A	0,2
		600V	A	0,2
				Drilling plan (mm)
CNN 12	CNN 12	CNN 12		
	+BP2 (BP4)	+2xBP3		15

