



RADE KONCAR CONTACTOR CNN22 22A/11kW (AC3, 400V/50Hz); 30A(AC1)

Contactor type				CNN 22
Mechanical endurance	make/b	rake operations	x10 ⁶	5
nsulation rating			V	690
Permissible ambient ter			°C	from -25 to +55
	magnet in cold state with	Un		
AC operated	closing		VA	62
	P.F.		\/A	0,75
	closed P.F.		VA	7 0,3
DC operated	closing		W	123
DO operated	closed		W	2,8
Coil voltage tolerances	0.0004			0.85-1.1Un
luration of making and	breaking			
values are also valid for	oltages of electromagnet for	rom		
0.8 to 1.1 Un for each in o	,			
	lition of opening time and de	uration		
f electric arc.				
C approted	aloning time		***	10 +- 22
AC operated	closing time opening time		ms ms	12 to 22 4 to 19
	duration of electric arc		ms	10
requency of switching			1110	10
vithout thermal reley				
utilizat	ion category	AC1	s/h	1000
		AC2, AC3	s/h	750
		AC4	s/h	250
vith thermal relay			s/h	15
				8.2/5
Resistivity to shocks	(square shock)		g/ms	and
Short-circuit protection	of			4.9/10
contactors without overloa				
Main circuit	iu relays			
With fuse links				
acc. To IEC 60947-4-1	Type of coord. "1" gl/gG	3	А	50
OIN VDE 0660 Part 102	Type of coord. "2"		Α	35
Sizes of connection cor	ductors			
or contact without therma	l relay			
nain circuit	single-wire conductors		mm ²	2.5-10
	multi-wire conductor wit	th cable shoe	mm^2	2.5-10
	Screw			M4
	Screw head			PZ2
	Tightening torque		Nm	1,4
auxiliary circuit				
auxiliary circuit	single-wire conductor		mm^2	1-2.5
auxiliary circuit	single-wire conductor multi-wire conductor wit	rh cable shoe	mm² mm²	1-2.5 0.75-1.5
uxiliary circuit	single-wire conductor multi-wire conductor wit Screw	h cable shoe		0.75-1.5 M3.5
uxiliary circuit	single-wire conductor multi-wire conductor wit Screw Screw head	h cable shoe	mm ²	0.75-1.5 M3.5 PZ2
	single-wire conductor multi-wire conductor wit Screw Screw head Tightening torque	rh cable shoe		0.75-1.5 M3.5
oadability of auxiliary	single-wire conductor multi-wire conductor wit Screw Screw head Tightening torque	ih cable shoe	mm² Nm	0.75-1.5 M3.5 PZ2
.oadability of auxiliary of aux	single-wire conductor multi-wire conductor wit Screw Screw head Tightening torque contacts t lth; 35C		mm² Nm A	0.75-1.5 M3.5 PZ2
.oadability of auxiliary of Reated continuous curren	single-wire conductor multi-wire conductor wit Screw Screw head Tightening torque contacts t lth; 35C	for 24V	mm² Nm A A	0.75-1.5 M3.5 PZ2
_oadability of auxiliary of Reated continuous curren	single-wire conductor multi-wire conductor wit Screw Screw head Tightening torque contacts t lth; 35C	for 24V 230V	mm² Nm A A A	0.75-1.5 M3.5 PZ2
_oadability of auxiliary of Reated continuous curren	single-wire conductor multi-wire conductor wit Screw Screw head Tightening torque contacts t lth; 35C	for 24V 230V 400V	mm² Nm A A A A	0.75-1.5 M3.5 PZ2
_oadability of auxiliary of Reated continuous curren	single-wire conductor multi-wire conductor wit Screw Screw head Tightening torque contacts t lth; 35C	for 24V 230V 400V 500V	mm² Nm A A A A	0.75-1.5 M3.5 PZ2
Loadability of auxiliary of Reated continuous current lated operational current lated operationa	single-wire conductor multi-wire conductor wit Screw Screw head Tightening torque contacts t lth; 35C e/AC15	for 24V 230V 400V	mm² Nm A A A A	0.75-1.5 M3.5 PZ2

	230V	А	-	
Load carrying capacity of the main contacts				
rated continuus current ith				
AC1 utilization category		A	40	
rated operational current le/AC1		Α	40	
AC2 and AC3 utilization categories	for 230V	kW	5,5	
(slip-ring and cage motors at 50Hz)	400V	kW	11	
	690V	kW	11	
AC4 utilization category				
(electrical endurance of contacts:120.000				
rated curent	le/AC4	Α	7	
ratings of squirrel-cage motors at 50Hz	for 230V	kW	1,7	
	400V	kW	3,3	
	500V	kW	3,3	
	690V	kW	3,3	
Loadability by direct current				
DC1 utilization category, non-inductive loads L/R1 r				
rated operational current le	for 24V	A	20	
through one pole	48V	A	20	
	110V	A	2,1	
	220V	A	0,8	
	440V	A	0,6	
	600V	A	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	
711 / POS / POS	600V	А	1	
utilization category DC3 to DC5				
series and shunt motors (L/R15 ms)				
rated operational current le	for 24V	А	20	
through one pole	48V	A	20 5	
tillough one pole	110V	A	1,5	
	220V	A	0,75	
	440V	A	0,75	
	600V	A	0,09	
through three poles connected in series	for 24V	A	20	
unough unee poles connected in senes	48V	A	20	
	110V	A	20	
	220V	A	6	
	440V	A	0,2	
	600V	A	0,2	
	000 V	A	∪,∠	

