

RADE KONCAR CONTACTOR CNN18 18A/7,5kW (AC3, 400V/50Hz); 30A(AC1)

Contactor type			CNN 18
Mechanical endurance	make/brake operations	x10 ⁶	5
Insulation rating		V	690
Permissible ambient tempe		°C	from -25 to +55
Consumption of electroma			
AC operated	closing	VA	62
	P.F.	>/^	0,75
	closed P.F.	VA	7 0,3
DC operated	closing	W	123
DO operated	closed	W	2,8
Coil voltage tolerances		•	0.85-1.1Un
duration of making and bre	eaking		
values are also valid for volt	0		
0.8 to 1.1 Un for each in cold	,		
	on of opening time and duration		
of electric arc.			
\C operated	closing time	200	12 to 22
AC operated	closing time opening time	ms ms	4 to 19
	duration of electric arc	ms	10
Frequency of switching op		1110	10
without thermal reley			
utilization	n category AC1	s/h	1000
	AC2, AC3	s/h	750
	AC4	s/h	250
vith thermal relay		s/h	15
		2/22	7/5
Resistivity to shocks	(square shock)	g/ms	and
Short-circuit protection of			4.2/10
contactors without overload r			
Main circuit	lelays		
With fuse links			
acc. To IEC 60947-4-1	Type of coord. "1" gl/gG	А	40
DIN VDE 0660 Part 102	Type of coord. "2"	Α	25
Sizes of connection condu			
	ictors		
or contact without thermal re			-
		mm ²	1.5-6
	elay		
	elay single-wire conductors	mm ²	1.5-6
	elay single-wire conductors multi-wire conductor with cable shoe	mm ²	1.5-6 1.5-6
	elay single-wire conductors multi-wire conductor with cable shoe Screw	mm ²	1.5-6 1.5-6 M4
nain circuit	elay single-wire conductors multi-wire conductor with cable shoe Screw Screw head	mm² mm² Nm	1.5-6 1.5-6 M4 PZ2
main circuit	elay single-wire conductors multi-wire conductor with cable shoe Screw Screw head	mm² mm²	1.5-6 1.5-6 M4 PZ2
nain circuit	elay single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque	mm² mm² Nm mm²	1.5-6 1.5-6 M4 PZ2 1,2
main circuit	single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque single-wire conductor	mm² mm² Nm	1.5-6 1.5-6 M4 PZ2 1,2
nain circuit	single-wire conductors multi-wire conductor with cable shoe Screw Screw head Tightening torque single-wire conductor multi-wire conductor with cable shoe	mm² mm² Nm mm²	1.5-6 1.5-6 M4 PZ2 1,2 1-2.5 0.75-1.5
nain circuit auxiliary circuit	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	mm² mm² Nm mm²	1.5-6 1.5-6 M4 PZ2 1,2 1-2.5 0.75-1.5 M3.5
main circuit auxiliary circuit Loadability of auxiliary cor	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 single-wire conductor with cable shoe Screw Screw head Tightening torque ntacts	mm² mm² Nm mm² nm²	1.5-6 1.5-6 M4 PZ2 1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8
main circuit auxiliary circuit Loadability of auxiliary cor Reated continuous current ltl	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 htacts h; 35C	mm² mm² Nm mm² nm² Nm A	1.5-6 1.5-6 M4 PZ2 1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8
main circuit auxiliary circuit Loadability of auxiliary cor Reated continuous current ltl	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 tacts h; 35C AC15 for 24V	mm² mm² Nm mm² nm² Nm A A	1.5-6 1.5-6 M4 PZ2 1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8
nain circuit auxiliary circuit	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 macts h; 35C AC15 for 24V 230V	mm² mm² Nm mm² mm² Nm A A A	1.5-6 1.5-6 M4 PZ2 1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8
main circuit auxiliary circuit Loadability of auxiliary cor Reated continuous current ltl	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 macts th; 35C AC15 for 24V 230V 400V	mm² mm² Nm mm² mm² Nm A A A A	1.5-6 1.5-6 M4 PZ2 1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8
main circuit auxiliary circuit Loadability of auxiliary cor Reated continuous current ltl	elay 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 ntacts h; 35C AC15 for 24V 230V 400V 500V	mm² mm² Nm mm² mm² Nm A A A A A A	1.5-6 1.5-6 M4 PZ2 1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8
for contact without thermal remain circuit auxiliary circuit Loadability of auxiliary cor Reated continuous current lt/ rated operational current le/A	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 ntacts th; 35C AC15 for 24V 230V 400V 500V 690V	mm² mm² Nm mm² mm² Mm A A A A A A A A A A A A A A A A A A	1.5-6 1.5-6 M4 PZ2 1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8
main circuit auxiliary circuit Loadability of auxiliary cor Reated continuous current ltl	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 ntacts th; 35C AC15 for 24V 230V 400V 500V 690V	mm² mm² Nm mm² mm² Nm A A A A A A	1.5-6 1.5-6 M4 PZ2 1,2 1-2.5 0.75-1.5 M3.5 PZ2 0,8

Load carrying capacity of the main conta	ncts		
rated continuus current ith			
AC1 utilization category		A	30
rated operational current le/AC1		A	30
AC2 and AC3 utilization categories	for 230V	kW	4
(slip-ring and cage motors at 50Hz)	400V	kW	7,5
	690V	kW	10
AC4 utilization category			
(electrical endurance of contacts:120.000			
rated curent	le/AC4	A	6,7
ratings of squirrel-cage motors at 50Hz	for 230V	kW	1,5
	400V	kW	3
	500V	kW	3
	690V	kW	3
Loadability by direct current			
DC1 utilization category, non-inductive load			
rated operational current le, 55C	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
	600V	A	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	5
	110V	A	1,5
	220V	A	0,75
	440V	A	0,09
	600V	Ä	0,06
through three poles connected in series	for 24V	A	20
and agree and opened contributed in solitor	48V	A	20
	110V	Ä	20
	220V	Ä	6
	440V	Ä	0.2
	600V	Ä	0,2
	000 V	Λ	∪,∠

