

RADE KONCAR CONTACTOR CNN130

130A/65kW (AC3, 400V/50Hz); 150A(AC1) In conformity with standard IEC 60947-4-1

Contactor type			CNN 130	
lechanical endurance	make/brake operations	x10 ⁶	5	
nsulation rating		V	1000	
Permissible ambient te		°C	from -25 to +55	
	omagnet in cold state with Un			
AC operated	closing	VA	400	
	P.F.		0.48	
	closed P.F.	VA	26 0.24	
Coil voltage tolerances			0.24 0.85-1.1Un	
			0.05-1.1011	
values are also valid for).8 to 1.1 Un for each in	voltages of electromagnet from			
	closing time	ms	20 - 50	
AC Operated	opening time	ms	10 - 30	
	duration of electric arc	ms	10 - 15	
			10 10	
	operations			
vithout thermal reley				
utiliza	AC1	s/h	1000	
	AC2, AC3	s/h	500	
with thermal relay	AC4	s/h	250	
vith thermal relay		s/h		
			15 10/5,5	
Resistivity to shocks	(square shock)	a/ms		
		g/ms	and 5/12	
Short-circuit protection contactors without overlo Main circuit With fuse links acc. To IEC 60947-4-1		g/ms A A	and	
Short-circuit protection contactors without overlo Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102	ad relays Type of coord. "1" gl/gG Type of coord. "2"	A	and 5/12 200	
Short-circuit protection contactors without overlo Main circuit With fuse links ac. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con	Type of coord. "1" gl/gG Type of coord. "2" nductors	A A	and 5/12 200	
uration of making and b values are also valid for va .8 to 1.1 Un for each in co otal breaking time is addit f electric arc. .C operated requency of switching of vithout thermal reley utilization vith thermal relay tesistivity to shocks chort-circuit protection ontactors without overload lain circuit Vith fuse links cc. To IEC 60947-4-1 DIN VDE 0660 Part 102 vitas of connection cond	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid	A A mm ²	and 5/12 200 160	
	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded	A A mm ² mm ²	and 5/12 200 160 1x(16 - 95)	
Short-circuit protection contactors without overlo Main circuit With fuse links ac. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid	A A mm ²	and 5/12 200 160	
Short-circuit protection contactors without overlo Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded	A A mm ² mm ²	and 5/12 200 160 1x(16 - 95)	
Short-circuit protection contactors without overlo Main circuit With fuse links ac. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded Stranded Flatbar	A A mm ² mm ² mm ²	and 5/12 200 160 1x(16 - 95) 2x(16-70) 16x4	
Short-circuit protection contactors without overlo Main circuit With fuse links ac. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded Stranded Flatbar Screw	A A mm ² mm ² mm ²	and 5/12 200 160 1x(16 - 95) 2x(16-70) 16x4 M10	
Short-circuit protection contactors without overlo Main circuit With fuse links ac. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded Stranded Flatbar Screw Screw	A A mm ² mm ² mm ²	and 5/12 200 160 1x(16 - 95) 2x(16-70) 16x4	
Short-circuit protection contactors without overlo Main circuit With fuse links ac. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded Stranded Flatbar Screw	A A mm ² mm ² mm ² mm	and 5/12 200 160 1x(16 - 95) 2x(16-70) 16x4 M10 ○ 5	
Short-circuit protection contactors without overlo Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con nain circuit	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded Stranded Flatbar Screw Screw	A A mm ² mm ² mm ² mm	and 5/12 200 160 1x(16 - 95) 2x(16-70) 16x4 M10 ○ 5	
Short-circuit protection contactors without overlo Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con nain circuit	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded Stranded Flatbar Screw Screw Screw head Tightening torque	A A mm ² mm ² mm ² mm	and 5/12 200 160 1x(16 - 95) 2x(16-70) 16x4 M10 5 10 - 12 1 - 2,5	
Short-circuit protection contactors without overlo Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con nain circuit	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded Stranded Flatbar Screw Screw head Tightening torque Single-wire conductor	A A mm ² mm ² mm ² mm Nm Nm	and 5/12 200 160 1x(16 - 95) 2x(16-70) 16x4 M10 5 10 - 12 1 - 2,5 0,75 - 1,5	
Short-circuit protection contactors without overlo Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con nain circuit	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded Stranded Flatbar Screw Screw head Tightening torque Single-wire conductor Multi-wire conductor with cable shoe	A A mm ² mm ² mm ² mm Nm Nm	and 5/12 200 160 1x(16 - 95) 2x(16-70) 16x4 M10 5 10 - 12 1 - 2,5	
Short-circuit protection contactors without overlo Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con nain circuit	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded Stranded Flatbar Screw Screw head Tightening torque Single-wire conductor Multi-wire conductor Multi-wire conductor with cable shoe Screw Screw head Tightening torque	A A mm ² mm ² mm ² mm Nm Nm	and 5/12 200 160 1x(16 - 95) 2x(16-70) 16x4 M10 $\bigcirc 5$ 10 - 12 1 - 2,5 0,75 - 1,5 M3.5	
Short-circuit protection contactors without overlo Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con nain circuit	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded Stranded Flatbar Screw Screw head Tightening torque Single-wire conductor Multi-wire conductor Multi-wire conductor with cable shoe Screw Screw head Tightening torque Contacts	A A mm ² mm ² mm ² mm Nm Nm mm ² mm ²	and 5/12 200 160 1x(16 - 95) 2x(16-70) 16x4 M10 $\bigcirc 5$ 10 - 12 1 - 2,5 0,75 - 1,5 M3.5 PZ2 0.8	
Short-circuit protection contactors without overlo Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection col nain circuit auxiliary circuit	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded Stranded Flatbar Screw Screw head Tightening torque Single-wire conductor Multi-wire conductor Multi-wire conductor with cable shoe Screw Screw head Tightening torque Contacts	A A mm ² mm ² mm ² mm Nm Nm mm ² mm ²	and 5/12 200 160 1x(16 - 95) 2x(16-70) 16x4 M10 5 10 - 12 1 - 2,5 0,75 - 1,5 M3.5 PZ2	
Short-circuit protection contactors without overlo Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con nain circuit auxiliary circuit	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded Stranded Flatbar Screw Screw head Tightening torque Single-wire conductor Multi-wire conductor Multi-wire conductor with cable shoe Screw Screw head Tightening torque contacts	A A mm ² mm ² mm ² mm Nm mm ² mm ² mm Mm A	and 5/12 200 160 1x(16 - 95) 2x(16-70) 16x4 M10 5 10 - 12 1 - 2,5 0,75 - 1,5 M3.5 PZ2 0.8 16	
Short-circuit protection contactors without overlo Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection col nain circuit auxiliary circuit	Type of coord. "1" gl/gG Type of coord. "2" nductors Rigid solid Stranded Stranded Flatbar Screw Screw head Tightening torque Single-wire conductor Multi-wire conductor Multi-wire conductor with cable shoe Screw Screw head Tightening torque contacts	A A mm ² mm ² mm ² mm Nm Nm Nm	and 5/12 200 160 1x(16 - 95) 2x(16-70) 16x4 M10 $\bigcirc 5$ 10 - 12 1 - 2,5 0,75 - 1,5 M3.5 PZ2 0.8	

	690V	А	2.5	
DC				
rated operational current le/DC1; L/R ≤1ms	24V	A	10	
	110V	A	8	
	220V	A	2	
	440V	A	0.6	
	600V	A	0.4	
rated operational current le/DC13	for 24V	А	10	
	110V	A	2.4	
	220V	A	1.1	
	440V	A	0.32	
	600V	A	0.21	
Load carrying capacity of the main contacts				
rated continuus current ith ; 35C		A	150	
AC1 utilization category				
rated current le/AC1		A	150	
AC2 and AC3 utilization categories	for 230V	kW	40	
(slip-ring and cage motors at 50Hz)	400V	kW	65	
	690V	kW	80	
AC4 utilization category				
(electrical endurance of contacts:120.000				
rated curent	le/AC4	A	48	
ratings of squirrel-cage motors at 50Hz for	230V	kW	13	
	400V	kW	25	
	500V	kW	31	
	690V	kW	45	

Dimension drawings (mm) CNN 130

Dimension drawings with auxiliary contact blocks (mm)









