

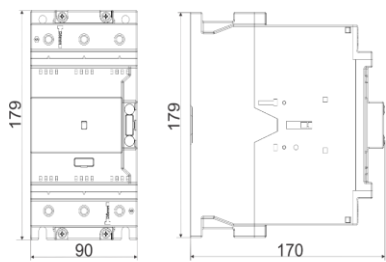


RADE KONCAR CONTACTOR CNN150
150A/75kW (AC3, 400V/50Hz); 160A(AC1)
 In conformity with standard IEC 60947-4-1

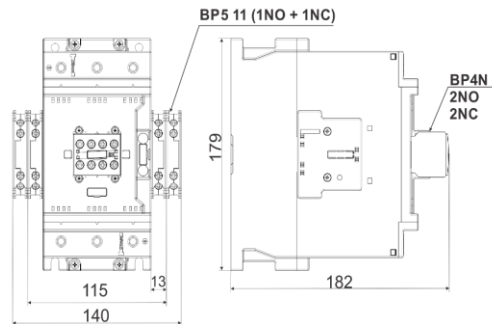
Contactor type		CNN 150	
Mechanical endurance	make/brake operations	$\times 10^6$	5
Insulation rating		V	1000
Permissible ambient temperature		°C	from -25 to +55
Consumption of electromagnet in cold state with Un			
AC operated	closing	VA	400
	P.F.		0.48
	closed	VA	26
	P.F.		0.24
Coil voltage tolerances		0.85-1.1Un	
duration of making and breaking			
(values are also valid for voltages of electromagnet from 0.8 to 1.1 Un for each in cold and warm state).			
Total breaking time is addition of opening time and duration of electric arc.			
AC operated	closing time	ms	20 - 50
	opening time	ms	10 - 30
	duration of electric arc	ms	10 - 15
Frequency of switching operations			
without thermal relay			
	utilization category	AC1	s/h 1000
		AC2, AC3	s/h 500
		AC4	s/h 250
with thermal relay			
			s/h 15
Resistivity to shocks	(square shock)	g/ms	10/5,5 and 5/12
Short-circuit protection			
contactors without overload relays			
Main circuit			
With fuse links			
acc. To IEC 60947-4-1	Type of coord. "1" gI/gG	A	250
DIN VDE 0660 Part 102	Type of coord. "2"	A	160
Sizes of connection conductors			
main circuit	Rigid solid	mm ²	-
	Stranded	mm ²	1x(16 - 95)
	Stranded	mm ²	2x(16-70)
	Flatbar	mm	16x4
	Screw		M10
auxiliary circuit	Screw head		5
	Tightening torque	Nm	10 - 12
	Single-wire conductor	mm ²	1 - 2,5
	Multi-wire conductor with cable shoe	mm ²	0,75 - 1,5
	Screw		M3,5
	Screw head		PZ2
	Tightening torque	Nm	0.8
Loadability of auxiliary contacts			
Rated continuous current Ith ; 40 °C		A	16
AC			
rated operational current Ie/AC15	230V	A	6
	400V	A	4
	500V	A	2.5

DC	690V	A	2.5
rated operational current $I_e/DC1$; $L/R \leq 1ms$	24V	A	10
	110V	A	8
	220V	A	2
	440V	A	0.6
	600V	A	0.4
rated operational current $I_e/DC13$	for 24V	A	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 continuous current I_{th} ; 35C		A	160
AC1 utilization category			
rated current $I_e/AC1$		A	160
AC2 and AC3 utilization categories			
(slip-ring and cage motors at 50Hz)	for 230V	kW	45
	400V	kW	75
	690V	kW	90
AC4 utilization category			
(electrical endurance of contacts:120.000)			
rated current	$I_e/AC4$	A	56
ratings of squirrel-cage motors at 50Hz for	230V	kW	15
	400V	kW	30
	500V	kW	37
	690V	kW	55

Dimension drawings (mm) **CNN 150**



Dimension drawings with auxiliary contact blocks (mm)



Drilling plan (mm)

