

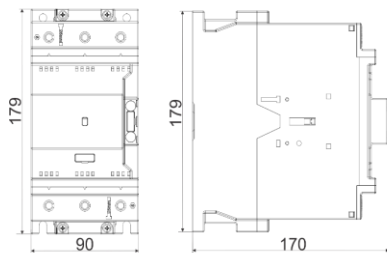


RADE KONCAR CONTACTOR CNN115
115A/55kW (AC3, 400V/50Hz); 130A(AC1)
 In conformity with standard IEC 60947-4-1

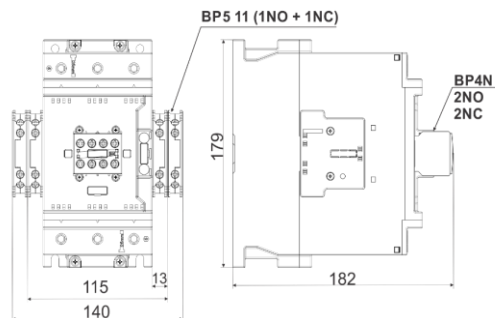
Contactor type		CNN 115	
Mechanical endurance	make/brake operations	$\times 10^6$	5
Insulation rating		V	1000
Permissible ambient temperature		°C	from -25 to +55
Consumption of electromagnet in cold state with U_n			
AC operated	closing	VA	400
	P.F.		0.48
	closed	VA	26
	P.F.		0.24
Coil voltage tolerances			0.85-1.1 U_n
duration of making and breaking			
(values are also valid for voltages of electromagnet from 0.8 to 1.1 U_n 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	200
DIN VDE 0660 Part 102	Type of coord. "2"	A	125
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 I_{th} ; 40 °C		A	16
AC			
rated operational current I_e /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} ; 35°C		A	130
AC1 utilization category			
rated current $I_e/AC1$		A	130
AC2 and AC3 utilization categories			
(slip-ring and cage motors at 50Hz)	for 230V	kW	37
	400V	kW	55
	690V	kW	75
AC4 utilization category			
(electrical endurance of contacts: 120.000)			
rated current	$I_e/AC4$	A	42
ratings of squirrel-cage motors at 50Hz for	230V	kW	12
	400V	kW	22
	500V	kW	27
	690V	kW	36

Dimension drawings (mm) **CNN 115**



Dimension drawings with auxiliary contact blocks (mm)



Drilling plan (mm)

