

CNN 115



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

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Mechanical endurance	make/brake operations	x10 ⁶	5
Insulation rating	•	V	1000
Permissible ambient temperature		°C	from -25 to +55
	omagnet in cold state with Un		
AC operated	closing	VA	400
	P.F.		0.48
	closed	VA	26
Cail valtaga talaranga	P.F.		0.24
Coil voltage tolerances duration of making and			0.85-1.1Un
	r voltages of electromagnet from		
0.8 to 1.1 Un for each in			
	ddition of opening time and duration		
of electric arc.	. 0		
AC operated	closing time	ms	20 - 50
	opening time	ms	10 - 30
	duration of electric arc	ms	10 - 15
Frequency of switchin	g operations		
without thermal reley			
utiliz	ation category AC1	s/h	1000
	AC2, AC3	s/h	500
with the same of the land	AC4	s/h	250
with thermal relay		s/h	15
Pocietivity to chacke	(equare check)	a/ms	10/5,5
Resistivity to shocks Short-circuit protection	(square shock)	g/ms	10/5,5 and 5/12
Short-circuit protection contactors without overland circuit With fuse links	n pad relays		and 5/12
	n oad relays Type of coord. "1" gl/gG	g/ms A A	and
Short-circuit protection contactors without overleadin circuit With fuse links acc. To IEC 60947-4-1	n oad relays Type of coord. "1" gl/gG Type of coord. "2"	A	and 5/12 200
Short-circuit protection contactors without overlading in with the second of the secon	n oad relays Type of coord. "1" gl/gG Type of coord. "2" onductors	A	and 5/12 200
Short-circuit protection contactors without overlond Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102	n oad relays Type of coord. "1" gl/gG Type of coord. "2"	A A	and 5/12 200
Short-circuit protection contactors without overlading in with the second of the secon	noad relays Type of coord. "1" gl/gG Type of coord. "2" onductors Rigid solid	A A mm²	and 5/12 200 125
Short-circuit protection contactors without overlading in with the second of the secon	n pad relays Type of coord. "1" gl/gG Type of coord. "2" onductors Rigid solid Stranded Stranded	A A mm² mm² mm²	and 5/12 200 125 - 1x(16-95) 2x(16-70)
Short-circuit protection contactors without overlading in with the second of the secon	n pad relays Type of coord. "1" gl/gG Type of coord. "2" onductors Rigid solid Stranded	A A mm² mm²	and 5/12 200 125
Short-circuit protection contactors without overlading in with the second of the secon	n pad relays Type of coord. "1" gl/gG Type of coord. "2" onductors Rigid solid Stranded Stranded	A A mm² mm² mm²	and 5/12 200 125 - 1x(16-95) 2x(16-70)
Short-circuit protection contactors without overlading in with the second of the secon	Type of coord. "1" gl/gG Type of coord. "2" onductors Rigid solid Stranded Stranded Flatbar	A A mm² mm² mm²	and 5/12 200 125 - 1x(16-95) 2x(16-70) 16x4
Short-circuit protection contactors without overlad Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection comain circuit	Type of coord. "1" gl/gG Type of coord. "2" onductors Rigid solid Stranded Stranded Flatbar Screw	A A mm² mm² mm²	and 5/12 200 125 - 1x(16-95) 2x(16-70) 16x4
Short-circuit protection contactors without overlad Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection comain circuit	Type of coord. "1" gl/gG Type of coord. "2" onductors Rigid solid Stranded Stranded Flatbar Screw Screw Screw head Tightening torque	A A A Mm² mm² mm² mm² mm	and 5/12 200 125 1x(16-95) 2x(16-70) 16x4 M10 ○ 5 10 - 12
Short-circuit protection contactors without overlad Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection comain circuit	Type of coord. "1" gl/gG Type of coord. "2" onductors Rigid solid Stranded Stranded Flatbar Screw Screw Screw head Tightening torque Single-wire conductor	A A mm² mm² mm² mm² mm nm	and 5/12 200 125 1x(16-95) 2x(16-70) 16x4 M10 ○ 5 10 - 12 1 - 2,5
Short-circuit protection contactors without overlading in with the second of the secon	Type of coord. "1" gl/gG Type of coord. "2" Inductors Rigid solid Stranded Stranded Flatbar Screw Screw Screw head Tightening torque Single-wire conductor Multi-wire conductor with cable shoe	A A A Mm² mm² mm² mm² mm	and 5/12 200 125 1x(16-95) 2x(16-70) 16x4 M10 ○ 5 10 - 12 1 - 2,5 0,75 - 1,5
Short-circuit protection contactors without overlad Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection comain circuit	Type of coord. "1" gl/gG Type of coord. "2" onductors Rigid solid Stranded Stranded Flatbar Screw Screw head Tightening torque Single-wire conductor with cable shoe Screw Screw	A A mm² mm² mm² mm² mm nm	and 5/12 200 125 1x(16-95) 2x(16-70) 16x4 M10 ○ 5 10 - 12 1 - 2,5 0,75 - 1,5 M3.5
Short-circuit protection contactors without overlad Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection comain circuit	Type of coord. "1" gl/gG Type of coord. "2" Inductors Rigid solid Stranded Stranded Stranded Flatbar Screw Screw head Tightening torque Single-wire conductor Multi-wire conductor with cable shoe Screw Screw head	A A mm² mm² mm² mm² mm Nm	and 5/12 200 125 1x(16-95) 2x(16-70) 16x4 M10
Short-circuit protection contactors without overlading discount with the selection of the s	Type of coord. "1" gl/gG Type of coord. "2" Inductors Rigid solid Stranded Stranded Stranded Flatbar Screw Screw head Tightening torque Single-wire conductor Multi-wire conductor with cable shoe Screw Screw head Tightening torque	A A mm² mm² mm² mm² mm nm	and 5/12 200 125 1x(16-95) 2x(16-70) 16x4 M10 ○ 5 10 - 12 1 - 2,5 0,75 - 1,5 M3.5
Short-circuit protection contactors without overlading circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection comain circuit	Type of coord. "1" gl/gG Type of coord. "2" Inductors Rigid solid Stranded Stranded Stranded Flatbar Screw Screw head Tightening torque Single-wire conductor Multi-wire conductor with cable shoe Screw Screw head Tightening torque Screw head Tightening torque Screw head Tightening torque	A A mm² mm² mm² mm² mm Nm	and 5/12 200 125 1x(16-95) 2x(16-70) 16x4 M10
Short-circuit protection contactors without overlading circuit with fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection comain circuit	Type of coord. "1" gl/gG Type of coord. "2" Inductors Rigid solid Stranded Stranded Stranded Flatbar Screw Screw head Tightening torque Single-wire conductor Multi-wire conductor with cable shoe Screw Screw head Tightening torque Inductor with cable shoe Inductor wi	A A mm² mm² mm² mm² mm Nm Nm mm²	and 5/12 200 125 1x(16-95) 2x(16-70) 16x4 M10 5 10 - 12 1 - 2,5 0,75 - 1,5 M3.5 PZ2 0.8
Short-circuit protection contactors without overlad Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection comain circuit auxiliary circuit Loadability of auxiliary Reated continuous curred CC	Type of coord. "1" gl/gG Type of coord. "2" Inductors Rigid solid Stranded Stranded Stranded Flatbar Screw Screw head Tightening torque Single-wire conductor Multi-wire conductor with cable shoe Screw Screw head Tightening torque Inductor with cable shoe Inductor wi	A A mm² mm² mm² mm² mm Nm Nm mm² nm A	and 5/12 200 125 1x(16-95) 2x(16-70) 16x4 M10

	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	Α	0.32	
	600V	A	0.21	
Load carrying capacity of the main contacts				
rated continuus current ith; 35C		A	130	
AC1 utilization category				
rated current le/AC1		A	130	
AC2 and AC3 utilization categories	for 230V	kW	37	
(slip-ring and cage motors at 50Hz)	400V	kW	55	
	690V	kW	75	
AC4 utilization category				
(electrical endurance of contacts:120.000				
rated curent	le/AC4	А	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)





