



RADE KONCAR MINI CONTACTOR CM1...N 12A/5.5kW (AC3, 400V/50Hz); 20A(AC1)

In conformity with standard IEC 60947-4-1

Contactor type				CM1N
Mechanical endurance	make/brake o	operations	x10 ⁶	5
nsulation rating			V	690
Permissible ambient tem	perature		°C	from -25 to +55
Consumption of electron	nagnet in cold state with	ı Un		
AC operated	closing		VA	26
	P.F.			0.8
	closed		VA	4
	P.F.			0.35
DC operated	closing		W	-
D - 11 16 6 - 1	closed		W	0.05.4.411.
Coil voltage tolerances duration of making and b				0.85-1.1Un
	oreaking oltages of electromagnet f	iro m		
values are also valid for v 0.8 to 1.1 Un for each in co		rom		
Fotal breaking time is addi		Juration		
of electric zrc.	tion of opening time and d	diation		
or cicotilo 210.				
AC operated	closing time		ms	12 to 21
	opening time		ms	9 to 18
	duration of electric arc		ms	10
requency of switching	operations			
without thermal reley				
utilizati	on category AC		s/h	1200
		2, AC3	s/h	1000
	AC-	4	s/h	250
with thermal relay			s/h	7/5
Pocietivity to checks	(square shock)		g/ms	7/5 and
Resistivity to shocks	(Square SHOCK)		9/1115	4,2/10
Short-circuit protection of	of			7,2/10
contactors without overload				
Main circuit	a 10.ay0			
With fuse links				
acc. To IEC 60947-4-1	Type of coord. "1" gl/g0	3	А	20
DIN VDE 0660 Part 102	Type of coord. "2"		A	16
Sizes of connecting cond	ductors			
or contact without thermal	relay			
main circuit	single-wire conductors		mm ²	1-2.5
	multi-wire conductir wit	h cable shoe	mm ²	0.75-1.5
	Screw			M3.5
	Screw head			PZ2
	Tightening torque		Nm	1.2
auxiliary circuit				
	single-wire conductor		mm ²	1-2.5
	multi-wire conductor wi	th cable shoe	mm ²	0.75-1.5
	Screw			M3.5
	Screw head			PZ2
	Tightening torque		Nm	0.8
oadability of auxiliary c	ontacts			
5 4 1			Α	10
Reated continuous current	e/AC15 for	24V	Α	6
		11.7	A	6
	230		, ,	
Reated continuous current le rated operational current le	230 400		A	4
)V		
	400 500 690)V)V	A	4

	110V	A	0.6
	230V	A	0.2
Load carrying capacity of the main conta	cts		
rated continuus current ith			
AC1 utilization category		A	20
rated operational current le/AC1		A	20
AC2 and AC3 utilization categories	for 230V	kW	2
(slip-ring and cage motors at 50Hz)	400V	kW	5.5
	690V	kW	5.5
AC4 utilization category (50.0 (electrical endurance of contacts:120.000	00 for CM1N))		
rated curent	le/AC4	Α	4.3
ratings of squirrel-cage motors at 50Hz	for 230V	kW	4.3 0.75
ratings of squirer-cage motors at 50Hz	400V	kW	0.75 1.6
	500V	kW kW	1.6
Landahilitu hu dinast aumant	690V	KVV	1.6
Loadability by direct current	L/D4		
DC1 utilization category, non-inductive loads		Δ	40
rated operational current le	for 24V	A	12
through one pole	48V	A	10
	110V	A	1.5
	220V	A	0.6
	440V	A	0.42
the second of the second secon	600V	A	0.42
through three poles connected in series	for 24V	A	16
	48V	A	16
	110V	A	10
	220V	A	15
	440V	A	0.9
Clientin and DOO to DOO	600V	A	0.7
utilization category DC3 to DC5 series and shunt motors (L/R15 ms)			
Series and shark motors (ETCTO ma)			
rated operational current le	for 24V	А	7
through one pole	48V	A	4
through one polo	110V	A	1
	220V	A	-
	440V	A	_
	600V	A	
through three poles connected in series	for 24V	Â	10
anough anou polos connected in selles	48V	Ä	10
	110V	Â	5
	220V	Ä	1.2
	440V	Ä	0.14
	600V	Ä	0.14
	0007	A	0.14

Drilling plan (mm)







