



RADE KONCAR MINI CONTACTOR CM1 9A/4kW (AC3, 400V/50Hz); 20A(AC1) In conformity with standard IEC 60947-4-1

Contactor type			6	CM1
lechanical endurance	make/brake	operations	x10 ⁶	5
nsulation rating			V	690
Permissible ambient tem			°C	from -25 to +55
Consumption of electron		h Un		
AC operated	closing		VA	26
	P.F.			0.8
	closed		VA	4
DC anaratad	P.F.		W	0.35
DC operated	closing closed		W	-
Coil voltage tolerances	cioseu		VV	0.85-1.1Un
duration of making and I	hreaking			0.05-1.1011
values are also valid for v	_	from		
0.8 to 1.1 Un for each in co				
Total breaking time is addi		duration		
of electric zrc.	1 0			
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				
utılızatı	on category AC		s/h	1200
		2, AC3	s/h	1000
. Silve Observed and accomm	AC	4	s/h	250
with thermal relay			s/h	7/5
Resistivity to shocks	(square shock)		g/ms	and
resistivity to shocks	(Square SHOCK)		9/113	4,2/10
Short-circuit protection	of			7,2/10
contactors without overloa				
Main circuit				
With fuse links				
acc. To IEC 60947-4-1	Type of coord. "1" gl/g	G	Α	20
DIN VDE 0660 Part 102	Type of coord. "2"		Α	16
Sizes of connecting con-	ductors			
or contact without thermal	relay			
main circuit	single-wire conductors		mm ²	1-2.5
	multi-wire conductir wit		mm ²	0.75-1.5
	Screw			M3.5
	Screw head			PZ2
	Tightening torque		Nm	1.2
auxiliary circuit	2 3 4			
	single-wire conductor		mm^2	1-2.5
	multi-wire conductor w	ith cable shoe	mm ²	0.75-1.5
	Screw	III Cable Silve	111111	M3.5
	Screw head			PZ2
	Tightening torque		Nm	0.8
			1 4111	0.0
_oadability of auxiliary c			А	10
	. ,	24V	A	6
Reated continuous current	e/AC15 for		/ 1	
Loadability of auxiliary c Reated continuous current rated operational current le			A	6
Reated continuous current	230	VC	A A	6 4
Reated continuous current	230 400	0V 0V	A	4
Reated continuous current	230	0V 0V 0V		

	110V	A	0.6
Load counting conscituted the main contr	230V	A	0.2
Load carrying capacity of the main conta	icts		
rated continuus current ith		^	20
AC1 utilization category		A	20
rated operational current le/AC1	for 230V	A	
AC2 and AC3 utilization categories	400V		3
(slip-ring and cage motors at 50Hz)		kW	4
101 (111 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	690V	kW	4
	000 for CM1))		
(electrical endurance of contacts:120.000			
rated curent	le/AC4	A	4
ratings of squirrel-cage motors at 50Hz	for 230V	kW	0.75
	400V	kW	1.5
	500V	kW	1.5
	690V	kW	1.5
Loadability by direct current			
DC1 utilization category, non-inductive load			
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
	600V	A	0.42
through three poles connected in series	for 24V	A	16
	48V	A	16
	110V	A	10
	220V	Α	15
	440V	Α	0.9
	600V	Α	0.7
utilization category DC3 to DC5			***
series and shunt motors (L/R15 ms)			
rated operational current le	for 24V	А	7
through one pole	48V	A	4
through one pole	110V	A	1
	220V	Ä	
	440V	Ä	
	600V	Ä	
through three poles connected in series	for 24V	A	10
anoagii anee poles collifected ili selles	48V	A	10
	110V	A	5
	220V	A	5 1.2
	440V	A	0.14
	600V	A	0.14

Drilling plan (mm)







