



## TECHNICAL DATA SHEET

<b>CONTROL RELAYS:</b>			
<b>RATED VOLTAGE</b>		<b>690 VOLTS</b>	
<b>AC-1 real power,switching 3 phases</b>		CS-3	
Ambient temperature 40 °C			
le	24....240V	[A]	-
	230....500V	[A]	-
	230....690V	[A]	20
<b>Switching, three phase Motors</b>			
AC-2,AC-3,AC-4			
	230V	[KW]	3.3
	400V	[KW]	4.3
	500V	[KW]	4.2
	690V	[KW]	4.1
<b>Switching Solenoids</b>			
AC-15			
	230V	[A]	12
	400V	[A]	5
	500V	[A]	2.5
	690V	[A]	1.25
<b>Maximum switching capacity at 17V</b>		[mA]	5
<b>Switching DC</b>			
Non-inductive or slightly Inductive loads,resistance Furnace DC-1 at 60 °C			
1 Pole	24/48 V	[A]	9
	110 V	[A]	3.5
	220 V	[A]	0.55
	440 V	[A]	0.2
2 Poles in series	24/48 V	[A]	9
	110 V	[A]	8
	220 V	[A]	3.5
	440 V	[A]	0.55
3 Poles in series	24/48 V	[A]	9
	110 V	[A]	9
	220 V	[A]	6
	440 V	[A]	2
<b>Life in millions of Operations</b>			
Mechanical	[ mil ]		15
AC-1 (230 V \ 6 A)	[ mil ]		1.2
<b>Coil consumption</b>			
AC 50 , 60 Hz	pick-up	[ VA /W]	59/46
	hold	[ VA /W]	7.2/2.2
DC Mechanisim	pick-up	[W]	7.4
	hold	[W]	7.4
<b>Operating times</b>			
AC	make	[ms]	10...20
	break	[ms]	8...18
DC	make	[ms]	20...60
	break	[ms]	12...15