TeSys contactors TeSys D contactors

TeSys D

d.c. control circuit ch				LC1 D09D38	LC1 D40AD65A	LC1 or LP1 D80	LC1 D115 and
3,0				LC1 DT20DT40	LC1 DT60A and DT80A	LC1 D95	LC1 D150
Rated control circuit voltage (Uc)			V	12440	12440		24440
Rated insulation voltage	Conforming to IEC 60947-1			690			
	Conforming to UL, CSA		V	600			
Control voltage limits	Operation	Standard coil		0.71.25 Uc at 60 °C	0.751.25 Uc at 60 °C	0.851.1 Uc at 55 °C	0.751.2 Uc at 55 °C
		Wide range coil		-	-	0.751.2 Uc at 55 °C	-
	Drop-out			0.10.25 Uc at 60 °C	0.10.3 Uc at 60 °C	0.10.3 Uc at 55 °C	0.150.4 Uc at 55 °C
Average consumption at 20 °C and at Uc	==	Inrush	W	5.4	19	22	270365
		Sealed	W	(5.4)	7.4	22	2.45.1
Operating time ⁽¹⁾ average at Uc	Closing	"C"	ms	63 ±15 %	50 ±15%	95130	2035
	Opening	"O"	ms	20 ±20 %	20 ±20%	2035	4075
			Note: The arcing time depends on the circuit switched by the poles. For all normal 3-phase applications, the arcing time is less than 10 ms. The load is isolated from the supply after a equal to the sum of the opening time and the arcing time.				
Time constant (L/R)			ms	28	34	75	25
Mechanical durability at Uc	In millions of operating cycles			30	10	10	8
Maximum operating rate In operating cycles per hour at ambient temperature ≤ 60 °C				3600	3600	3600	1200
Low consumption co	ntrol circuit	characte	ristic	s			
Rated insulation voltage	Conforming to IEC 60947-1		٧	690	_		
	Conforming to UL, CSA		V	600	-		
Maximum voltage	Of the control circuit on		٧	250	-		
Average consumption d.c. at 20 °C and at Uc	Wide range coil (0.71.25 Uc) Inrush Sealed		W	2.4	-		
			W	2.4	_		
Operating time ⁽¹⁾ at Uc and at 20 °C	Closing "C" n		ms	77 ±15 %	-		
	Opening "O" ms			25 ±20 %	-		
Voltage limits (θ ≤ 60 °C) of the control circuit	Operation			0.8 to 1.25 Uc	_		
	Drop-out			0.10.3 Uc	-		
īme constant (L/R)			ms	40	-		
Mechanical durability	In millions of operating cycles			30	_		
	In operating cycles per hour			3600	1		

(1) The operating times depend on the type of contactor electromagnet and its control mode. The closing time "C" is measured from the moment the coil supply is switched on to initial contact of the main poles. The opening time "O" is measured from the moment the coil supply is switched off to the moment the main poles separate.