Product data sheet Characteristics

LC1D65008M7S335

TeSys D contactor S335 - 4P (2NO+2 NC) AC-1 <= 440V 80A - 220V AC coil



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Range	TeSys	
Product name	TeSys D	— į
Product or component type	Contactor	— š
Device short name	LC1D	
Contactor application	Resistive load	
Utilisation category	AC-1	- 5
Poles description	4P	
Power pole contact composition	2 NO + 2 NC	— č
[Ue] rated operational voltage	Power circuit: <= 1000 V AC 25400 Hz	
[le] rated operational current	80 A (at <60 °C) at <= 440 V AC AC-1 for power circuit	
[Uc] control circuit voltage	220 V AC 50/60 Hz	
Auxiliary contact composition	Without	
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947	— ē
Overvoltage category	III	— ii
[lth] conventional free air thermal current	80 A (at 60 °C) for power circuit	ha usad far dafarmining suitability ar raliability ar thasa nandure far
Irms rated making capacity	1000 A at 440 V AC for power circuit conforming to IEC 60947	
Rated breaking capacity	1000 A at 440 V for power circuit conforming to IEC 60947	
[lcw] rated short-time withstand current	110 A 40 °C - 10 min for power circuit 260 A 40 °C - 1 min for power circuit 520 A 40 °C - 10 s for power circuit 900 A 40 °C - 1 s for power circuit	Dienlaimer Thie donumantation is not intanded as a cubetitute for and is not to
Associated fuse rating	125 A gG at <= 690 V coordination type 1 for power circuit 125 A gG at <= 690 V coordination type 2 for power circuit	
Average impedance	1.5 mOhm - Ith 80 A 50 Hz for power circuit	
[Ui] rated insulation voltage	Power circuit: 1000 V conforming to IEC 60947-4-1 Power circuit: 600 V UL certified Power circuit: 600 V CSA certified	***************************************
Electrical durability	1.4 Mcycles 80 A AC-1 at Ue <= 440 V	i
Power dissipation per pole	9.6 W AC-1	
Safety cover	With	
Mounting support	Rail Plate	;
Standards	EN/IEC 60947-4-1	—— aielosi

	CSA C22.2 No 60947-4-1 EN 60335-1
Product certifications	IEC UL CSA CCC
Connections - terminals	Control circuit: screw clamp terminals 2 cable(s) 14 mm²flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm²flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm²solid Power circuit: screw connectors 1 cable(s) 2.525 mm²solid Power circuit: screw connectors 2 cable(s) 2.516 mm²solid Power circuit: screw connectors 1 cable(s) 2.525 mm²flexible with cable end Power circuit: screw connectors 2 cable(s) 2.510 mm²flexible with cable end Power circuit: screw connectors 1 cable(s) 2.525 mm²flexible without cable end Power circuit: screw connectors 2 cable(s) 2.516 mm²flexible without cable end
Tightening torque	Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 5 N.m - on screw clamp terminals - with screwdriver flat Ø 6 to Ø 8 mm
Operating time	419 ms opening 1226 ms closing
Safety reliability level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Mechanical durability	6 Mcycles
Maximum operating rate	3600 cyc/h 60 °C

EN/IEC 60947-5-1 UL 60947-4-1

Complementary

Coil technology	Without built-in suppressor module
Control circuit voltage limits	0.851.1 Uc 55 °C operational AC 60 Hz 0.30.6 Uc 55 °C drop-out AC 50/60 Hz 0.81.1 Uc 55 °C operational AC 50 Hz
Inrush power in VA	245 VA 50/60 Hz cos phi 0.75 (at 20 °C)
Hold-in power consumption in VA	26 VA (at 20 °C) cos phi 0.3 50/60 Hz
Heat dissipation	610 W at 50/60 Hz

Environment

IP degree of protection	IP20 front face conforming to IEC 60529
Protective treatment	TH conforming to IEC 60068-2-30
Pollution degree	3
Ambient air temperature for operation	-560 °C
Ambient air temperature for storage	-6080 °C
Permissible ambient air temperature around the device	-4070 °C at Uc
Operating altitude	3000 m without
Fire resistance	850 °C conforming to IEC 60695-2-1
Flame retardance	V0 conforming to UL 94
Mechanical robustness	Vibrations contactor open: 2 Gn, 5300 Hz Vibrations contactor closed: 4 Gn, 5300 Hz Shocks contactor open: 8 Gn for 11 ms Shocks contactor closed: 10 Gn for 11 ms
Height	127 mm
Width	85 mm
Depth	130 mm
Net weight	1.45 kg