

## LP1D80004FD

sklopnik TeSys D – 4P(4 NO) – AC-1 –  $\leq 440$  V  
125 A – Zavojnica 110 V DC



### Glavno

Range	TeSys
Product name	TeSys D
Product or component type	Contactora
Device short name	LP1D
Contactora application	Resistive load
Utilisation category	AC-1
Poles description	4P
Pole contact composition	4 NO
[Ue] rated operational voltage	$\leq 1000$ V AC 25...400 Hz for power circuit $\leq 300$ V DC for power circuit
[Ie] rated operational current	125 A ( $\leq 60$ °C) at $\leq 440$ V AC AC-1 for power circuit
[Uc] control circuit voltage	110 V DC
Coil type	DC standard
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	125 A at $\leq 60$ °C for power circuit
Irms rated making capacity	1100 A at 440 V for power circuit conforming to IEC 60947
Rated breaking capacity	1100 A at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	135 A $\leq 40$ °C 10 min power circuit 640 A $\leq 40$ °C 10 s power circuit 990 A $\leq 40$ °C 1 s power circuit 320 A $\leq 40$ °C 1 min power circuit
Associated fuse rating	160 A gG at $\leq 690$ V coordination type 2 for power circuit 200 A gG at $\leq 690$ V coordination type 1 for power circuit
Average impedance	0.8 mOhm at 50 Hz - Ith 125 A for power circuit
[Ui] rated insulation voltage	1000 V for power circuit conforming to IEC 60947-4-1 600 V for power circuit certifications CSA 600 V for power circuit certifications UL
Electrical durability	0.8 Mcycles 125 A AC-1 at Ue $\leq 440$ V
Power dissipation per pole	12.5 W AC-1
Protective cover	Without
Mounting support	Plate Rail
Standards	UL 508 CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1
Product certifications	UL CSA CCC EAC GL BV DNV LROS (Lloyds register of shipping)
Connections - terminals	Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> - cable stiffness: flexible -

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without cable end  
 Control circuit: screw clamp terminals 1 cable(s) 1...4 mm<sup>2</sup> - cable stiffness: solid - without cable end  
 Control circuit: screw clamp terminals 2 cable(s) 1...4 mm<sup>2</sup> - cable stiffness: solid - without cable end  
 Control circuit: screw clamp terminals 1 cable(s) 1...2.5 mm<sup>2</sup> - cable stiffness: flexible - with cable end  
 Power circuit: connector 1 cable(s) 4...50 mm<sup>2</sup> - cable stiffness: flexible - without cable end  
 Power circuit: connector 2 cable(s) 4...25 mm<sup>2</sup> - cable stiffness: flexible - without cable end  
 Power circuit: connector 1 cable(s) 4...50 mm<sup>2</sup> - cable stiffness: flexible - with cable end  
 Power circuit: connector 2 cable(s) 4...16 mm<sup>2</sup> - cable stiffness: flexible - with cable end  
 Power circuit: connector 1 cable(s) 4...50 mm<sup>2</sup> - cable stiffness: solid - without cable end  
 Power circuit: connector 2 cable(s) 4...25 mm<sup>2</sup> - cable stiffness: solid - without cable end

Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 9 N.m - on connector - with screwdriver flat Ø 6 to Ø 8 mm Power circuit: 9 N.m - on connector hexagonal 4 mm
Operating time	20...35 ms closing 6...20 ms opening
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	4 Mcycles
Operating rate	3600 cyc/h at ≤ 60 °C

## Komplementarno

Coil technology	Without built-in suppressor module
Control circuit voltage limits	0.1...0.3 Uc drop-out at 55 °C, DC 0.85...1.1 Uc operational at 55 °C, DC
Time constant	75 ms
Inrush power in W	22 W at 20 °C
Hold-in power consumption in W	22 W at 20 °C

## Okolina

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	-5...60 °C
ambient air temperature for storage	-60...80 °C
permissible ambient air temperature around the device	-40...70 °C at Uc
operating altitude	3000 m without derating in temperature
fire resistance	850 °C conforming to IEC 60695-2-1
flame retardance	V1 conforming to UL 94
mechanical robustness	Vibrations contactor open 2 Gn, 5...300 Hz Shocks contactor open 8 Gn for 11 ms Vibrations contactor closed 3 Gn, 5...300 Hz Shocks contactor closed 10 Gn for 11 ms
height	127 mm
width	96 mm
depth	181 mm
product weight	2.685 kg

## Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0707 - Schneider Electric declaration of conformity	Compliant - since 0707 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold

Available

Available

Available

Available

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### Contractual warranty

Warranty period

18 months

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