Product datasheet





Contactor, TeSys Deca, 4P(2NO+2NC),AC-1, <=440V, 80A,24V DC coil, screw clamp terminal

LP1D65008BD

Main

Range	TeSys	
Range Of Product	TeSys Deca	
Product Or Component Type	Contactor	
Device Short Name	LP1D	
Contactor Application	Resistive load	
Utilisation Category	AC-1	
Poles Description	4P	
[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	24 V DC	

Complementary

Compatibility Code	LP1D
Pole Contact Composition	2 NO + 2 NC
Protective Cover	Without
[Ith] Conventional Free Air Thermal Current	80 A (at 60 °C) for power circuit
Irms Rated Making Capacity	1000 A at 440 V for power circuit conforming to IEC 60947
Rated Breaking Capacity	1000 A at 440 V for power circuit conforming to IEC 60947
[Icw] 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
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
Power Dissipation Per Pole	9.6 W AC-1
[Ui] Rated Insulation Voltage	Power circuit: 690 V conforming to IEC 60947-4-1 Power circuit: 600 V CSA certified Power circuit: 600 V UL certified
Overvoltage Category	III
Pollution Degree	3
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947
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

Life Is On Schneider 21 Jun 2024

Mechanical Durability	10 Mcycles
Electrical Durability	1.5 Mcycles 80 A AC-1 at Ue <= 440 V
Control Circuit Type	DC DC standard
Coil Technology	Built-in bidirectional peak limiting diode suppressor
Control Circuit Voltage Limits	0.10.3 Uc (-4055 °C):drop-out DC 0.851.1 Uc (-4055 °C):operational DC
Inrush Power In W	22 W (at 20 °C)
Hold-In Power Consumption In W	22 W at 20 °C
Operating Time	419 ms opening 1226 ms closing
Time Constant	75 ms
Maximum Operating Rate	3600 cyc/h 60 °C
Connections - Terminals	Power circuit: screw clamp terminals 1 2.525 mm² - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 2 2.516 mm² - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 1 2.525 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 2.510 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 2.525 mm² - cable stiffness: solid Power circuit: screw clamp terminals 1 2.525 mm² - cable stiffness: solid Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: solid Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: solid Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: solid
Tightening Torque	Power circuit: 8 N.m - on screw clamp terminals - cable 2535 mm² hexagonal screw head 4 mm 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: 5 N.m - on screw clamp terminals - cable 125 mm² hexagonal screw head 4 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2
Mounting Support	Plate Rail
Environment	
Standards	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
Product Certifications	UL CSA CCC EAC UKCA CB DNV-GL RINA BV LROS (Lloyds register of shipping)
Ip Degree Of Protection	IP20 front face conforming to IEC 60529
Permissible Ambient Air Temperature Around The Device	-4060 °C 6070 °C with derating

Operating Altitude	03000 m	
Fire Resistance	850 °C conforming to IEC 60695-2-1	
Flame Retardance	V1 conforming to UL 94	
Mechanical Robustness	Shocks contactor open (8 Gn for 11 ms) Shocks contactor closed (10 Gn for 11 ms) Vibrations contactor opened (2 Gn, 5300 Hz) Vibrations contactor closed (3 Gn, 5300 Hz)	
Height	127 mm	
Width	85 mm	
Depth	182 mm	
Net Weight	2.22 kg	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11.300 cm
Package 1 Width	16.300 cm
Package 1 Length	22.300 cm
Package 1 Weight	2.260 kg
Unit Type Of Package 2	S02
Number Of Units In Package 2	2
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.828 kg

Contractual warranty

Warranty 18 months



Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

⊘	Reach Free Of Svhc
⊘	Toxic Heavy Metal Free
⊘	Mercury Free
⊘	Rohs Exemption Information Yes
9	Pvc Free

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations