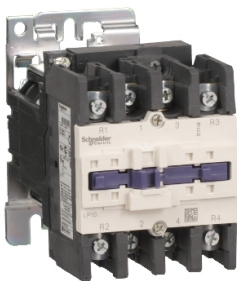


Product data sheet

Specifications



Contactor, TeSys Deca, 4P (4NO),
AC-1 $\leq 440\text{V}$ 125 A, 36 V DC wide
range coil, ring-lug terminals

LP1D800046CW

⚠ Discontinued on: Jan 23, 2021

⚠ Discontinued

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 AC-3 AC-3e AC-4
Poles description	4P
[Ue] rated operational voltage	Power circuit $\leq 1000\text{ V AC } 25\ldots 400\text{ Hz}$ Power circuit $\leq 300\text{ V DC}$
[Ie] rated operational current	125 A (at $<140\text{ }^{\circ}\text{F}$ ($60\text{ }^{\circ}\text{C}$)) at $\leq 440\text{ V AC AC-1}$ for power circuit
[Uc] control circuit voltage	36 V DC

Complementary

Compatibility code	LP1D
Pole contact composition	4 NO
Protective cover	Without
[Ith] conventional free air thermal current	125 A (at $140\text{ }^{\circ}\text{F}$ ($60\text{ }^{\circ}\text{C}$)) 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 $104\text{ }^{\circ}\text{F}$ ($40\text{ }^{\circ}\text{C}$) - 10 min for power circuit 320 A $104\text{ }^{\circ}\text{F}$ ($40\text{ }^{\circ}\text{C}$) - 1 min for power circuit 640 A $104\text{ }^{\circ}\text{F}$ ($40\text{ }^{\circ}\text{C}$) - 10 s for power circuit 990 A $104\text{ }^{\circ}\text{F}$ ($40\text{ }^{\circ}\text{C}$) - 1 s for power circuit
Associated fuse rating	200 A gG at $\leq 690\text{ V}$ coordination type 1 for power circuit 160 A gG at $\leq 690\text{ V}$ coordination type 2 for power circuit
Average impedance	0.8 mOhm - Ith 125 A 50 Hz for power circuit
Power dissipation per pole	12.5 W AC-1
[Ui] rated insulation voltage	Power circuit 600 V CSA Power circuit 600 V UL Power circuit 1000 V IEC 60947-4-1
Overvoltage category	III
Pollution degree	3

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[Uimp] rated impulse withstand voltage	8 kV IEC 60947
Safety reliability level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1
Mechanical durability	4 Mcycles
Electrical durability	0.8 Mcycles 125 A AC-1 <= 440 V
Control circuit type	DC wide range
Coil technology	Without built-in suppressor module
Control circuit voltage limits	0.1...0.3 Uc (-40...158 °F (-40...70 °C)):drop-out DC 0.75...1.2 Uc (-40...131 °F (-40...55 °C)):operational DC 1...1.2 Uc (131...158 °F (55...70 °C)):operational DC
Inrush power in W	22 W 68 °F (20 °C))
Hold-in power consumption in W	22 W 68 °F (20 °C)
Operating time	6...20 ms opening 20...35 ms closing
Time constant	75 ms
Maximum operating rate	3600 cyc/h 140 °F (60 °C)
Connections - terminals	Control circuit: lugs-ring terminals - external diameter: 0.3 in (8 mm) Power circuit: lugs-ring terminals - external diameter: 0.7 in (17 mm) Power circuit: bars 1 - busbar cross section: 3 x 16 mm
Tightening torque	Control circuit 10.6 lbf.in (1.2 N.m) lugs-ring terminals flat Ø 6 mm M3.5 Control circuit 10.6 lbf.in (1.2 N.m) lugs-ring terminals Philips No 2 M3.5 Power circuit 106.2 lbf.in (12 N.m) lugs-ring terminals hexagonal 0.4 in (10 mm) M6 Power circuit 106.2 lbf.in (12 N.m) lugs-ring terminals flat Ø 8 mm M6 Power circuit 106.2 lbf.in (12 N.m) bars flat Ø 8 mm M6 Power circuit 106.2 lbf.in (12 N.m) bars hexagonal 0.4 in (10 mm) M6
Mounting Support	Rail Plate

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	BV CCC CSA DNV EAC GL LROS (Lloyds register of shipping) UL
IP degree of protection	IP20 front face IEC 60529
Permissible ambient air temperature around the device	-76...176 °F (-60...80 °C) storage -40...140 °F (-40...60 °C) operation 140...158 °F (60...70 °C) with derating
Operating altitude	0...9842.52 ft (0...3000 m)
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Vibrations contactor open 2 Gn, 5...300 Hz) Vibrations contactor closed 3 Gn, 5...300 Hz) Shocks contactor open 8 Gn for 11 ms) Shocks contactor closed 10 Gn for 11 ms)
Height	5 in (127 mm)

Width	3.8 in (96 mm)
Depth	7.1 in (181 mm)
Net Weight	5.919 lb(US) (2.685 kg)

Ordering and shipping details

Category	22359-CTR, TESYS D, OPEN, 80-150A AC&DC
Discount Schedule	I12
GTIN	3389110142334
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	4.3 in (11 cm)
Package 1 Width	5.5 in (14 cm)
Package 1 Length	8.07 in (20.5 cm)
Package weight(Lbs)	6.04 lb(US) (2.74 kg)

Contractual warranty

Warranty (in months)	18
----------------------	----



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances	
EU RoHS Directive	Compliant
California proposition 65	WARNING: Cancer - www.P65Warnings.ca.gov
PVC free	Yes

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.