

Product data sheet

Specifications



Contactor, TeSys Deca
S207,4P(2NO+2NC),AC-1 60A ,
<=440V, 24V DC coil wide, lugs-ring
terminal

LC1D400086BWS207

Main

Range	TeSys TeSys Deca
Range Of Product	TeSys Deca
Product Or Component Type	Contactor
Device Short Name	LC1D
Contactor Application	Resistive load
Utilisation Category	AC-1
Poles Description	4P
[Ue] Rated Operational Voltage	Power circuit: <= 1000 V AC 25...400 Hz
[Ie] Rated Operational Current	60 A (at <60 °C) at <= 440 V AC AC-1 for power circuit

Complementary

Pole Contact Composition	2 NO + 2 NC
Contact Compatibility	M3
Protective Cover	With
[Ui] Rated Insulation Voltage	Power circuit: 1000 V conforming to IEC 60947-4-1
[Uimp] Rated Impulse Withstand Voltage	8 kV conforming to IEC 60947
Overvoltage Category	III
[Ith] Conventional Free Air Thermal Current	60 A (at 60 °C) for power circuit
Irms Rated Making Capacity	800 A at 440 V for power circuit conforming to IEC 60947
Rated Breaking Capacity	800 A at 440 V for power circuit conforming to IEC 60947
Associated Fuse Rating	80 A gG at <= 690 V coordination type 1 for power circuit 80 A gG at <= 690 V coordination type 2 for power circuit
Time Constant	75 ms
Control Circuit Type	DC wide range
Coil Technology	Built-in bidirectional peak limiting diode suppressor
Control Circuit Voltage Limits	0.1...0.3 Uc (-40...70 °C):drop-out DC 0.7...1.25 Uc (-40...50 °C):operational DC 1...1.25 Uc (50...70 °C):operational DC
Average Impedance	1.5 mOhm - Ith 60 A 50 Hz for power circuit
Power Dissipation Per Pole	5.4 W AC-1
Operating Time	20...35 ms opening 85...110 ms closing

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

Maximum Operating Rate	3600 cyc/h 60 °C
Inrush Power In W	22 W (at 20 °C)
Hold-In Power Consumption In W	22 W at 20 °C
Connections - Terminals	Power circuit: lugs-ring terminals - external diameter: 16.5 mm Control circuit: lugs-ring terminals - external diameter: 8 mm
Tightening Torque	Control circuit: 1.7 N.m - on lugs-ring terminals - with screwdriver flat Ø 6 mm M3.5 Control circuit: 1.7 N.m - on lugs-ring terminals - with screwdriver Philips No 2 M3.5 Power circuit: 2.5 N.m - on lugs-ring terminals hexagonal screw head 10 mm M6
Mounting Support	Plate Rail
Electrical Durability	1.4 Mcycles 60 A AC-1 at Ue <= 440 V
Mechanical Durability	10 Mcycles
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
Operating Altitude	0...3000 m
Compatibility Code	LC1D
Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 EN 45545: R22 HL3 EN 45545: R26 HL3 DIN 5510-2
Product Certifications	IEC CCC UKCA

Environment

Climatic Withstand	conforming to IACS E10 conforming to IEC 60947-1 Annex Q category D
Ambient Air Temperature For Storage	-60...80 °C
Fire Resistance	850 °C conforming to IEC 60695-2-1
Height	127 mm
Width	85 mm
Depth	182 mm
Net Weight	2.21 kg
Mechanical Robustness	Vibrations contactor open (2 Gn, 5...300 Hz) Vibrations contactor closed (4 Gn, 5...300 Hz) Shocks contactor open (10 Gn for 11 ms) Shocks contactor closed (15 Gn for 11 ms)

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	14.8 cm
Package 1 Width	13.1 cm
Package 1 Length	10.8 cm
Package 1 Weight	1.5 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class 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

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations