

# Product datasheet

Specifications



## TeSys D contactor S207 - 3P (3NO) AC-3 38A <=440V - coil 110V DC low

LC1D386FLS207

⚠ Discontinued on: 9 Feb 2023

⚠ Discontinued

EAN Code: 3389118234697

## Main

Range	TeSys TeSys Deca
Range Of Product	TeSys Deca
Product Or Component Type	Contactors
Device Short Name	LC1D
Contactors Application	Resistive load Motor control
Utilisation Category	AC-1 AC-3 AC-3e
Poles Description	3P
[Ue] Rated Operational Voltage	Power circuit: <= 690 V AC 25...400 Hz
[Ie] Rated Operational Current	50 A (at <60 °C) at <= 440 V AC AC-1 for power circuit 38 A (at <60 °C) at <= 440 V AC AC-3 for power circuit 38 A (at <60 °C) at <= 440 V AC AC-3e for power circuit

## Complementary

Motor Power Kw	9 kW at 220/230 V AC 50 Hz (AC-3) 18.5 kW at 380/400 V AC 50 Hz (AC-3) 18.5 kW at 415 V AC 50 Hz (AC-3) 18.5 kW at 440 V AC 50 Hz (AC-3) 18.5 kW at 500 V AC 50 Hz (AC-3) 18.5 kW at 660/690 V AC 50 Hz (AC-3) 9 kW at 220/230 V AC 50 Hz (AC-3e) 18.5 kW at 380/400 V AC 50 Hz (AC-3e) 18.5 kW at 415 V AC 50 Hz (AC-3e) 18.5 kW at 440 V AC 50 Hz (AC-3e) 18.5 kW at 500 V AC 50 Hz (AC-3e) 18.5 kW at 660/690 V AC 50 Hz (AC-3e)
Pole Contact Composition	3 NO
Protective Cover	With
Auxiliary Contacts Type	type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 type mirror contact 1 NC conforming to IEC 60947-4-1
Auxiliary Contact Composition	1 NO + 1 NC
[Ui] Rated Insulation Voltage	Power circuit: 690 V conforming to IEC 60947-4-1 Signalling circuit: 690 V conforming to IEC 60947-1
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947
Overvoltage Category	III
[Ith] Conventional Free Air Thermal Current	10 A (at 60 °C) for signalling circuit 50 A (at 60 °C) for power circuit

<b>Irms Rated Making Capacity</b>	140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 550 A at 440 V for power circuit conforming to IEC 60947
<b>Rated Breaking Capacity</b>	550 A at 440 V for power circuit conforming to IEC 60947
<b>Associated Fuse Rating</b>	10 A gG for signalling circuit conforming to IEC 60947-5-1 63 A gG at <= 690 V coordination type 1 for power circuit 63 A gG at <= 690 V coordination type 2 for power circuit
<b>Time Constant</b>	37 ms
<b>Control Circuit Type</b>	DC low consumption
<b>Coil Technology</b>	With integral suppression device
<b>Control Circuit Voltage Limits</b>	0.1...0.25 U <sub>c</sub> (-40...70 °C):drop-out DC 0.7...1.25 U <sub>c</sub> (-40...70 °C):operational DC
<b>Average Impedance</b>	2 mOhm - lth 50 A 50 Hz for power circuit
<b>Power Dissipation Per Pole</b>	5 W AC-1 3 W AC-3 3 W AC-3e
<b>Minimum Switching Current</b>	5 mA for signalling circuit
<b>Minimum Switching Voltage</b>	17 V for signalling circuit
<b>Non-Overlap Time</b>	1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
<b>Operating Time</b>	77 ±15 % ms closing 25 ±20 % ms opening
<b>Maximum Operating Rate</b>	3600 cyc/h 60 °C
<b>Inrush Power In W</b>	4 W (at 20 °C)
<b>Hold-In Power Consumption In W</b>	4 W at 20 °C
<b>Insulation Resistance</b>	> 10 MOhm for signalling circuit
<b>Connections - Terminals</b>	Control circuit: lugs-ring terminals - external diameter: 8 mm Power circuit: lugs-ring terminals - external diameter: 12 mm
<b>Tightening Torque</b>	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 - with screwdriver Philips No 2 M4 Power circuit: 2.5 N.m - on lugs-ring terminals - with screwdriver flat Ø 6 mm M4
<b>Mounting Support</b>	Rail Plate
<b>Electrical Durability</b>	1.4 Mcycles 50 A AC-1 at U <sub>e</sub> <= 440 V 1.4 Mcycles 38 A AC-3 at U <sub>e</sub> <= 440 V 1.4 Mcycles 38 A AC-3e at U <sub>e</sub> <= 440 V
<b>Mechanical Durability</b>	30 Mcycles
<b>Safety Reliability Level</b>	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
<b>Operating Altitude</b>	0...3000 m
<b>Compatibility Code</b>	LC1D
<b>Standards</b>	EN/IEC 60947-4-1 EN/IEC 60947-5-1 EN 45545: R22 HL3 EN 45545: R26 HL3 DIN 5510-2

<b>Product Certifications</b>	IEC CCC EAC UA TR UKCA CB
-------------------------------	---

## Environment

<b>Climatic Withstand</b>	conforming to IACS E10 conforming to IEC 60947-1 Annex Q category D
<b>Ambient Air Temperature For Storage</b>	-60...80 °C
<b>Fire Resistance</b>	850 °C conforming to IEC 60695-2-1
<b>Height</b>	85 mm
<b>Width</b>	45 mm
<b>Depth</b>	101 mm
<b>Net Weight</b>	0.38 kg
<b>Mechanical Robustness</b>	Vibrations contactor open (2 Gn, 5...300 Hz) Vibrations contactor closed (4 Gn, 5...300 Hz) Shocks contactor closed (15 Gn for 11 ms) Shocks contactor open (8 Gn for 11 ms)

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	10.9 cm
<b>Package 1 Width</b>	9.0 cm
<b>Package 1 Length</b>	5.4 cm
<b>Package 1 Weight</b>	556.0 g

## Contractual warranty

<b>Warranty</b>	18 months
-----------------	-----------

## 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-CO<sub>2</sub> 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

Pvc Free

## 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](#)

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

[Circularity Profile](#)