

# Product datasheet

Specifications



## Contacteur, TeSys Deca S207,4P(4NO),AC-1 60A , <=440V, 72V DC coil wide, lugs-ring terminal

LC1D400046SWS207

⚠ Discontinued on: 18 Oct 2020

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EAN Code: 3606481211606

## Main

Range	TeSys TeSys Deca
Range of product	TeSys Deca
Product or component type	Contacteur
Device short name	LC1D
Contacteur application	Resistive load
Utilisation category	AC-1 AC-3 AC-3e AC-4
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	4 NO
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

<b>Operating time</b>	20...35 ms opening 85...110 ms closing
<b>Maximum operating rate</b>	3600 cyc/h 60 °C
<b>Inrush power in W</b>	22 W (at 20 °C)
<b>Hold-in power consumption in W</b>	22 W at 20 °C
<b>Connections - terminals</b>	Power circuit: lugs-ring terminals - external diameter: 16.5 mm Control circuit: lugs-ring terminals - external diameter: 8 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 hexagonal screw head 10 mm M6
<b>Mounting support</b>	Plate Rail
<b>Electrical durability</b>	1.4 Mcycles 60 A AC-1 at Ue ≤ 440 V
<b>Mechanical durability</b>	10 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 UKCA

## 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>	127 mm
<b>Width</b>	85 mm
<b>Depth</b>	171 mm
<b>Net weight</b>	2.21 kg
<b>Mechanical robustness</b>	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

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	14.8 cm
<b>Package 1 Width</b>	13.1 cm
<b>Package 1 Length</b>	10.8 cm
<b>Package 1 Weight</b>	1.5 kg

# Contractual warranty

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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 >](#)



### Environmental footprint

Total lifecycle Carbon footprint	90 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	13 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	4 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	67 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	6 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	Ec55be43-4a3d-41ef-bba5-099a44e1b62b
EU RoHS Directive	<a href="#">Compliant</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	73
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Offer Marketing Illustration

Product benefits / Features

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## TeSys Deca Contactors



### Reliable

Multi-standard solutions, high reliability, long mechanical and electrical durability for different sizes, and the most complete accessories.



### Energy efficiency

These electronic-coil contactors require up to 80 % less energy than electro-mechanical contactors.



### Universal

Multi standards certified (IEC, UL, CSA, CCC, EAC, Marine), Green Premium compliant (RoHS/REACH).



Offer Marketing Illustration

Product benefits / Features

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**TeSys Deca Contactors**  
Range Accessories

A collection of accessories for TeSys Deca contactors, including:

- Auxiliary contact block
- Contactor Coil
- Time delay auxiliary contact block
- Mechanical interlock
- Power connections
- Assembling kits
- Comb busbar

The image displays various electrical components against a white background with a green accent in the top left corner. The components are arranged in a grid-like fashion, each with a small image and a text label below it. The labels are: 'Auxiliary contact block' (top row, middle), 'Contactor Coil' (middle row, left), 'Time delay auxiliary contact block' (middle row, right), 'Mechanical interlock' (bottom row, middle), 'Power connections' (bottom row, left), 'Assembling kits' (bottom row, middle), and 'Comb busbar' (bottom row, right).

Offer Marketing Illustration

Product benefits / Features

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### TeSys Deca Contactors

#### Technical Benefits



- Deca green delivers a consistent low consumption range of contactors from 9 A to 80 A.
- Covers control voltage from 24 to 250 V, with same coils for AC and DC.
- Designed to meet the requirements of industrial and HVAC applications
- With IEC60335-1 compliance, improved fire resistance, and dust-proof auxiliaries
- Suitable for safety applications thanks to mechanically linked contacts and mirror contacts
- Outstanding breaking/making capacity up to 20 In with PLC direct connection