

Product datasheet

Specifications



Contact, TeSys Deca S207,4P(2NO+2NC),AC-1 60A , <=440V, 110V DC coil wide, lugs- ring terminal

LC1D400086FWS207

! Discontinued

! Discontinued on: 18 Oct 2020

EAN Code: 3606481211637

Main

Range	TeSys TeSys Deca
Range of product	TeSys Deca
Product or component type	Contact
Device short name	LC1D
Contact 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
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
Overtoltage 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

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	Rail Plate
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

Contractual warranty



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	Product Environmental Profile

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	Compliant
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
--------	----

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

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



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 a variety of electrical components. At the top left is a large black contactor. Below it are several smaller components: a white plastic coil, a black auxiliary contact block, a circular time delay auxiliary contact block, a black mechanical interlock, a black power connection strip, a black assembling kit, and a black comb busbar with multiple terminals.

Offer Marketing Illustration

Product benefits / Features

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