

# Product data sheet

Specifications

Schneider Electric LF3P00E

Picture

⚠ Discontinued

TeSys LF - enclosed DOL starter - 0.16...0.25 A

LF3P00E

⚠ Discontinued on: Jan 23, 2021

## Main

Range	TeSys
Product Name	TeSys LF
Product Or Component Type	Enclosed DOL starter
Device Application	AS interface
Device Composition	Circuit-breaker ordered separately Contactor AS interface module
Utilisation Category	AC-3
Network Type	AC
[Uc] Control Circuit Voltage	24 V AC 50/60 Hz
Thermal Protection Adjustment Range	0.16...0.25 A
Control Type	Rotary handle protection control - OFF - Trip - ON

## Complementary

Network Frequency	50/60 Hz
[Ue] Rated Operational Voltage	Power circuit 415 V AC 50/60 Hz Output control relay 250 V AC 50/60 Hz Output control relay 30 V DC
[Uimp] Rated Impulse Withstand Voltage	6 kV power circuit IEC 60947-1 2.5 kV 24 V IEC 60947-1 2.5 kV sensor IEC 60947-1 2.5 kV AS-Interface IEC 60947-1
Insulation Resistance	> 1000 mOhm for output and communication
Insulation	1500 V between output and ground 1500 V between output and internal logic between input and communication
[Ui] Rated Insulation Voltage	415 V AC 50/60 Hz IEC 60947
[Ithe] Conventional Enclosed Thermal Current	5 A output control relay 104 °F (40 °C)
Protection Type	Inductive overvoltage Phase failure
Breaking Capacity	100 kA 230/240 V IEC 60947-2 100 kA 400/415 V IEC 60947-2
Mechanical Durability	0.1 Mcycles circuit breaker 30 Mcycles contactor

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

<b>Electrical Durability</b>	Circuit breaker 0.1 Mcycles Contactor 0.8 Mcycles - AC-3 - 8.5 A Relay 0.1 Mcycles - 24 V 6 cyc/mn - AC-12 - 5 A Relay 1 Mcycles - 24 V 15 cyc/mn - AC-12 - 1 A Relay 0.5 Mcycles - 24 V 15 cyc/mn - AC-14 - 1 A Relay 1 Mcycles - 24 V 15 cyc/mn - AC-14 - 0.5 A Relay 5 Mcycles - 24 V 30 cyc/mn - AC-14 - 0.25 A Relay 0.1 Mcycles - 24 V 6 cyc/mn - DC-12 - 5 A Relay 0.2 Mcycles - 24 V 6 cyc/mn - DC-12 - 2 A Relay 0.5 Mcycles - 24 V 15 cyc/mn - DC-3 - 1 A Relay 1 Mcycles - 24 V 30 cyc/mn - DC-3 - 0.25 A
<b>Current Consumption</b>	20 mA communication bus during operation 60 mA communication bus Sensor 0 mA 24 V supply circuit de-energisation 30 mA 24 V supply circuit maintained mode 110 mA 24 V supply circuit inrush
<b>Local Signalling</b>	Product status 3 LEDs Input/output status LED
<b>Number Of Inputs</b>	2 M12
<b>Nominal Input Value</b>	19...30 V 50 mA - DC
<b>Input Description</b>	Status D0 forward stop - bit value 0 Status D1 reverse stop - bit value 0 Status D2 disable relay - bit value 0 Status D3 unused - bit value 0 Status D0 forward start - bit value 1 Status D1 reverse start - bit value 1 Status D2 enable relay - bit value 1 Status D3 unused - bit value 1
<b>Input Type</b>	Resistive
<b>Sensor Compatibility</b>	2 or 3-wire PNP
<b>Output Description</b>	Command D0 not ready - bit value 0 Command D1 stopped - bit value 0 Command D2 sensor 1 missing - bit value 0 Command D3 sensor 2 missing - bit value 0 Command D0 ready - bit value 1 Command D1 started - bit value 1 Command D2 sensor 1 present - bit value 1 Command D3 sensor 2 present - bit value 1
<b>Response Time</b>	<= 10 ms closing output control relay <= 15 ms opening output control relay
<b>Contacts Type And Composition</b>	1 C/O
<b>As-Interface Profile</b>	7A70 - extended A/B
<b>Cable Gland Type</b>	Supply circuit Pg 16 - 0.39...0.59 in (10...15 mm) Power circuit Pg 16 - 0.39...0.59 in (10...15 mm) Output control relay Pg 13 - 0.39...0.59 in (10...15 mm) Output control relay Pg 16 - 0.39...0.59 in (10...15 mm)
<b>Connections - Terminals</b>	Supply circuit screw clamp terminals, 1 x 1.5...2 x 6 mm <sup>2</sup> rigid Supply circuit screw clamp terminals, 1 x 1.5...2 x 6 mm <sup>2</sup> flexible without cable end Supply circuit screw clamp terminals, 1 x 1.5...2 x 4 mm <sup>2</sup> flexible with cable end Power circuit screw clamp terminals, 1 x 1.5...2 x 4 mm <sup>2</sup> rigid Power circuit screw clamp terminals, 1 x 1.5...2 x 4 mm <sup>2</sup> flexible without cable end Power circuit screw clamp terminals, 1 x 1.5...1 x 2.5 mm <sup>2</sup> flexible with cable end Output control relay screw terminals, 1 x 0.5...1 x 1.5 mm <sup>2</sup> rigid Output control relay screw terminals, 1 x 0.5...1 x 1.5 mm <sup>2</sup> flexible without cable end Output control relay screw terminals, 1 x 0.5...1 x 1.5 mm <sup>2</sup> flexible with cable end
<b>Tightening Torque</b>	Supply circuit 15.05 lbf.in (1.7 N.m) flat Ø 5.5 mm Power circuit 7.08 lbf.in (0.8 N.m) flat Ø 5.5 mm Output control relay 6.20 lbf.in (0.7 N.m) flat Ø 3.5 mm
<b>Width</b>	6.89 in (175 mm)
<b>Height</b>	7.68 in (195 mm)
<b>Depth</b>	6.89 in (175 mm)
<b>Net Weight</b>	2.25 lb(US) (1.02 kg)

# Environment

Electromagnetic Compatibility	Electrostatic discharge - test level: 8 kV level 3 (in air) conforming to EN/IEC 61000-4-2 Electrostatic discharge - test level: 4 kV level 2 (in indirect mode) conforming to EN/IEC 61000-4-2 Surge immunity test - test level: 4 kV level 4 (power, line to ground) conforming to IEC 61000-4-5 Surge immunity test - test level: 2 kV level 4 (power, line to line) conforming to EN/IEC 61000-4-5 Surge immunity test - test level: 2 kV level 2 (control circuit, line to ground) conforming to IEC 61000-4-5 Surge immunity test - test level: 500 V level 2 (control circuit, line to line) conforming to EN/IEC 61000-4-5 Electrical fast transient/burst immunity test - test level: 2 kV level 3 conforming to EN/IEC 61000-4-4 Conducted RF disturbances - test level: 10 V/m conforming to IEC 61000-4-6 Conducted RF disturbances - test level: 10 V/m conforming to ENV 50141 Radiated radio-frequency electromagnetic field immunity test - test level: 10 V/m conforming to IEC 61000-4-3 Radiated radio-frequency electromagnetic field immunity test - test level: 10 V/m conforming to ENV 50204 Radiated radio-frequency electromagnetic field immunity test - test level: 10 V/m conforming to ENV 50140 Disturbing field emission class B conforming to ENV 55011 Disturbing field emission class B conforming to CISPR 11
Mechanical Robustness	Shocks contactor open - 10 Gn IEC 60068-2-27 Shocks contactor closed - 15 gn IEC 60068-2-27 Vibrations contactor open - 2 GN IEC 60068-2-6 Vibrations contactor closed - 4 gn IEC 60068-2-6
Ip Degree Of Protection	IP54 conforming to IEC 60529
Protective Treatment	TC
Fire Resistance	1760 °F (960 °C) IEC 60695-2-1
Operating Altitude	6561.68 ft (2000 m)
Standards	IEC 60204-1 IEC 60439-1 EN 60439-1 EN 60204-1 IEC 60947-1 EN 60947-1
Material	Bottom polycarbonate + 20 % FG - Black Top polycarbonate + 20 % FG - White RAL 9001
Ambient Air Temperature For Operation	23...104 °F (-5...40 °C) IEC 61439-1
Ambient Air Temperature For Storage	-40...176 °F (-40...80 °C) IEC 61439-1

# Ordering and shipping details

Category	22313-CTRS,D-LINE,ENCL (METAL)
Discount Schedule	I11
Gtin	3389118324961
Returnability	No
Country Of Origin	FR

# Contractual warranty

Warranty	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 >](#)

## Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Eu Rohs Directive

Not compliant

China Rohs Regulation

[China RoHS declaration](#)

Product out of China RoHS scope. Substance declaration for your information.

Weee

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

California Proposition 65

WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)