

Product availability : Non-Stock - Not normally stocked in distribution facility



⚠ Discontinued

LF3P05D has not been replaced. Please contact your customer care center for more information.

Main

Range	TeSys
Product name	TeSys LF
Product or component type	Enclosed DOL starter
Device application	AS interface
Device composition	Circuit-breaker AS interface module Contactor
Utilisation category	AC-3
Network type	AC
[Uc] control circuit voltage	24 V AC circuit at 50/60 Hz
Thermal protection adjustment range	1...1.6 A
Control type	Rotary handle protection control - OFF - Trip - ON

Complementary

Motor power kW	0.12 kW at 220/230 V - AC at 50/60 Hz 0.25 kW at 400/415 V - AC at 50/60 Hz
Network frequency	50/60 Hz
System Voltage	415 V - AC at 50/60 Hz power circuit 250 V - AC at 50/60 Hz output control relay 30 V - DC output control relay
[Uimp] rated impulse withstand voltage	6 kV for power circuit conforming to IEC 60947-1 2.5 kV for 24 V conforming to IEC 60947-1 2.5 kV for sensor conforming to IEC 60947-1 2.5 kV for AS-Interface conforming to IEC 60947-1
Insulation resistance	> 1000 mOhm between 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	AC at 50/60 Hz conforming to IEC 60947
[Ithe] conventional enclosed thermal current	5 A for output control relay at 104 °F (40 °C)
Protection type	Inductive overvoltage

Phase failure	
Breaking capacity	100 kA at 230/240 V conforming to IEC 60947-2 100 kA at 400/415 V conforming to IEC 60947-2
Mechanical durability	Circuit breaker: 0.1 Mcycles Contactor: 30 Mcycles
Electrical durability	Circuit breaker: 0.1 Mcycles Contactor: 0.8 Mcycles - AC-3 - 8.5 A Relay: 0.1 Mcycles - 24 V with 6 cyc/mn - AC-12 - 5 A Relay: 1 Mcycles - 24 V with 15 cyc/mn - AC-12 - 1 A Relay: 0.5 Mcycles - 24 V with 15 cyc/mn - AC-14 - 1 A Relay: 1 Mcycles - 24 V with 15 cyc/mn - AC-14 - 0.5 A Relay: 5 Mcycles - 24 V with 30 cyc/mn - AC-14 - 0.25 A Relay: 0.1 Mcycles - 24 V with 6 cyc/mn - DC-12 - 5 A Relay: 0.2 Mcycles - 24 V with 6 cyc/mn - DC-12 - 2 A Relay: 0.5 Mcycles - 24 V with 15 cyc/mn - DC-3 - 1 A Relay: >= 1 Mcycles - 24 V with 30 cyc/mn - DC-3 - 0.25 A
Current consumption	20 mA for communication bus during operation 60 mA for communication bus sensor 0 mA at 24 V for supply circuit de-energisation 30 mA at 24 V for supply circuit maintained mode 110 mA at 24 V for supply circuit inrush
Local signalling	Product status by 3 LEDs Input/output status by LED
Number of inputs	2 M12
Nominal input value	19...30 V 50 mA - DC
Input description	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
Input type	Resistive
Sensor compatibility	2 or 3-wire PNP
Output description	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
Response time	Output control relay: <= 10 ms during closing Output control relay: <= 15 ms during opening
Contacts type and composition	1 C/O
AS-interface profile	7DFF - standard
Cable gland type	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)
Connections - terminals	Supply circuit: screw clamp terminals 1 x 1.5...2 x 6 mm ² rigid Supply circuit: screw clamp terminals 1 x 1.5...2 x 6 mm ² flexible without cable end Supply circuit: screw clamp terminals 1 x 1.5...2 x 4 mm ² flexible with cable end Power circuit: screw clamp terminals 1 x 1.5...2 x 4 mm ² rigid Power circuit: screw clamp terminals 1 x 1.5...2 x 4 mm ² flexible without cable end Power circuit: screw clamp terminals 1 x 1.5...1 x 2.5 mm ² flexible with cable end Output control relay: screw terminals 1 x 0.5...1 x 1.5 mm ² rigid Output control relay: screw terminals 1 x 0.5...1 x 1.5 mm ² flexible without cable end Output control relay: screw terminals 1 x 0.5...1 x 1.5 mm ² flexible with cable end
Tightening torque	Supply circuit: 15.04 lbf.in (1.7 N.m) - with screwdriver flat Ø 5.5 mm Power circuit: 7.08 lbf.in (0.8 N.m) - with screwdriver flat Ø 5.5 mm Output control relay: 6.19 lbf.in (0.7 N.m) - with screwdriver flat Ø 3.5 mm
Width	6.89 in (175 mm)
Height	7.68 in (195 mm)
Depth	6.89 in (175 mm)
Product weight	2.87 lb(US) (1.3 kg)

Environment

Electromagnetic compatibility	Electrostatic discharge 8 kV level 3 - in air - conforming to EN/IEC 61000-4-2 Electrostatic discharge 4 kV level 2 - in indirect mode - conforming to EN/IEC 61000-4-2 Electrical fast transient/burst immunity test 2 kV level 3 conforming to EN/IEC 61000-4-4 Surge immunity test 4 kV level 4 - power, line to ground - conforming to IEC 61000-4-5 Surge immunity test 2 kV level 4 - power, line to line - conforming to EN/IEC 61000-4-5 Surge immunity test 2 kV level 2 - control circuit, line to ground - conforming to IEC 61000-4-5 Surge immunity test 500 V level 2 - control circuit, line to line - conforming to EN/IEC 61000-4-5 Conducted RF disturbances 10 V/m conforming to IEC 61000-4-6 Conducted RF disturbances 10 V/m conforming to ENV 50141 Radiated radio-frequency electromagnetic field immunity test 10 V/m conforming to IEC 61000-4-3 Radiated radio-frequency electromagnetic field immunity test 10 V/m conforming to ENV 50204 Radiated radio-frequency electromagnetic field immunity test 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: 10 Gn during contactor open conforming to IEC 60068-2-27 Shocks: 15 gn during contactor closed conforming to IEC 60068-2-27 Vibrations: 2 Gn during contactor open conforming to IEC 60068-2-6 Vibrations: 4 gn during contactor closed conforming to IEC 60068-2-6
IP degree of protection	IP54 conforming to IEC 60529
Protective treatment	TC
Fire resistance	1760 °F (960 °C) conforming to IEC 60695-2-1
Operating altitude	6561.68 ft (2000 m)
Standards	EN 60204-1 EN 60439-1 EN 60947-1 IEC 60204-1 IEC 60439-1 IEC 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) conforming to IEC 61439-1
Ambient air temperature for storage	-40...176 °F (-40...80 °C) conforming to IEC 61439-1

Ordering and shipping details

Category	18325 - SERIPLEX SOFTWARE&CABLES DISC SPX2
Discount Schedule	SPX2
Nbr. of units in pkg.	1
Package weight(Lbs)	3.6299999999999999
Returnability	N
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0925 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference contains SVHC above the threshold - Go to CaP for more details Go to CaP for more details
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer.
----- Substance 2	Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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