LF3P06DA79A74

TeSys LF - enclosed DOL starter - 1...1.6 A - HARTING - local/ASI





Main

TeSys
TeSys LF
Enclosed DOL starter
AS interface
Circuit-breaker AS interface module Contactor
AC-3
AC
24 V for AC circuit at 50/60 Hz
11.6 A
Rotary handle for protection control - OFF - Trip - ON Key switch 2 positions for local/AS-Interface control - bus - local

Complementary

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Motor power kW	0.55 kW at 400/415 V - AC at 50/60 Hz 0.25 kW at 220/230 V - AC at 50/60 Hz	
Network frequency	50/60 Hz	
[Ue] rated operational voltage	30 V - DC for output control relay 250 V - AC at 50/60 Hz for output control relay 415 V - AC at 50/60 Hz for power circuit	
[Uimp] rated impulse withstand voltage	 2.5 kV for AS-Interface conforming to IEC 60947-1 2.5 kV for sensor conforming to IEC 60947-1 2.5 kV for 24 V conforming to IEC 60947-1 6 kV for power circuit conforming to IEC 60947-1 	
Insulation resistance	> 1000 mOhm between output and communication	
Insulation	Between input and communication 1500 V between output and internal logic 1500 V between output and ground	
[Ui] rated insulation voltage	415 V AC at 50/60 Hz conforming to IEC 60947	
[Ithe] conventional enclosed thermal current	5 A for output control relay at 40 °C	
Protection type	Phase failure Inductive overvoltage	
Breaking capacity	100 kA at 400/415 V conforming to IEC 60947-2 100 kA at 230/240 V conforming to IEC 60947-2	
Mechanical durability	Contactor : 30 Mcycles Circuit breaker : 0.1 Mcycles	
Electrical durability	Relay: >= 1 Mcycles - 24 V with 30 cyc/mn - DC-3 - 0.25 A Relay: 0.5 Mcycles - 24 V with 15 cyc/mn - DC-3 - 1 A Relay: 0.2 Mcycles - 24 V with 6 cyc/mn - DC-12 - 2 A Relay: 0.1 Mcycles - 24 V with 6 cyc/mn - DC-12 - 5 A Relay: 5 Mcycles - 24 V with 30 cyc/mn - AC-14 - 0.25 A Relay: 1 Mcycles - 24 V with 15 cyc/mn - AC-14 - 0.5 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-12 - 1 A Relay: 0.1 Mcycles - 24 V with 6 cyc/mn - AC-12 - 5 A Contactor: 0.8 Mcycles - AC-3 - 8.5 A Circuit breaker: 0.1 Mcycles	

Current consumption	110 mA at 24 V for supply circuit incush
Current consumption	110 mA at 24 V for supply circuit inrush 30 mA at 24 V for supply circuit maintained mode
	0 mA at 24 V for supply circuit de-energisation
	60 mA for communication bus sensor
	20 mA for communication bus during operation
Local signalling	Input/Output status by LED
N	Product status by 3 LEDs
Number of inputs	2 M12
Nominal input value	1930 V 050 mA - DC
Input description	Status D3 : unused - bit value 1 Status D2 : enable relay - bit value 1
	Status D1 : reverse start - bit value 1
	Status D0 : forward start - bit value 1
	Status D3 : unused - bit value 0
	Status D2 : disable relay - bit value 0
	Status D1 : reverse stop - bit value 0
	Status D0 : forward stop - bit value 0
Input type	Resistive
Sensor compatibility	2 or 3-wire PNP
Output description	Command D3 : sensor 2 present - bit value 1
	Command D2 : sensor 1 present - bit value 1
	Command D1 : started - bit value 1 Command D0 : ready - bit value 1
	Command Do : ready - bit value 1 Command D3 : sensor 2 missing - bit value 0
	Command D2 : sensor 1 missing - bit value 0
	Command D1 : stopped - bit value 0
	Command D0 : not ready - bit value 0
Response time	Output control relay : <= 15 ms during opening
Ocatesta Lacranda a variation	Output control relay : <= 10 ms during closing
Contacts type and composition	1 C/O
AS-interface profile	7DFF - standard
Cable gland type	Output control relay: Pg 16 - 1015 mm
	Output control relay : Pg 13 - 1015 mm Power circuit : Pg 16 - 1015 mm
	Supply circuit: Pg 16 - 1015 mm
Connections - terminals	Supply circuit : HARTING socket
	Output control relay : HARTING socket
	Power circuit: screw clamp terminals with 12 cables of 1.52.5 mm ² - flexible
	with cable end
	Power circuit: screw clamp terminals with 12 cables of 1.54 mm² - flexible
	without cable end Power circuit : screw clamp terminals with 12 cables of 1.54 mm² - rigid
Tightening torque	Power circuit: 0.8 N.m - with screwdriver flat Ø 5.5 mm
Width	222 mm
Height	183 mm
Depth	175 mm
Product weight	1.35 kg
i roduct weight	1.55 kg

Environment

Electromagnetic compatibility	Disturbing field emission class B conforming to CISPR 11
	Disturbing field emission class B conforming to ENV 55011 Radiated radio-frequency electromagnetic field immunity test 10 V/m conforming
	to ENV 50140
	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 IEC 61000-4-3
	Conducted RF disturbances 10 V/m conforming to ENV 50141
	Conducted RF disturbances 10 V/m conforming to IEC 61000-4-6
	Electrical fast transient/burst immunity test 2 kV level 3 conforming to EN/IEC 61000-4-4
	Surge immunity test 500 V level 2 - control circuit, 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 2 kV level 4 - power, line to line - conforming to EN/IEC 61000-4-5
	Surge immunity test 4 kV level 4 - power, line to ground - conforming to IEC 61000-4-5
	Electrostatic discharge 4 kV level 2 - in indirect mode - conforming to EN/IEC 61000-4-2
	Electrostatic discharge 8 kV level 3 - in air - conforming to EN/IEC 61000-4-2
Mechanical robustness	Vibrations: 4 Gn during contactor closed conforming to IEC 60068-2-6 Vibrations: 2 Gn during contactor open conforming to IEC 60068-2-6 Shocks: 15 gn during contactor closed conforming to IEC 60068-2-27
	Shocks: 10 Gn during contactor open conforming to IEC 60068-2-27
IP degree of protection	IP54 conforming to IEC 60529
Protective treatment	TC
Fire resistance	960 °C conforming to IEC 60695-2-1
Operating altitude	2000 m
Standards	EN 60204-1
	EN 60439-1
	EN 60947-1
	IEC 60204-1
	IEC 60439-1
	IEC 60947-1
Material	Top : polycarbonate + 20 % FG - white : RAL 9001
	Bottom : polycarbonate + 20 % FG - black
Ambient air temperature for operation	-540 °C conforming to IEC 61439-1
Ambient air temperature for storage	-4080 °C conforming to IEC 61439-1

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0925 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

