

Schneider Electric OTB1S0DM9LP

Manufacturer: Schneider Electric

Part Number: OTB1S0DM9LP

Product series: Modicon OTB

Product introduction:

Product datasheet for OTB1S0DM9LP. for the Modicon OTB; ip degree of protection: IP20

Product parameters:

product data sheet: OTB1S0DM9LP Characteristics I/O distributed module OTB - Modbus non isolated serial link - 0..10 m Product availability: Non-Stock - Not normally stocked in distribution facility

range of product: Modicon OTB

product or component: I/O distributed module

integrated connection non isolated serial link: 2 x RJ45 in parallel, mas-

type: ter/slave Modbus, RTU/ASCII asynchronous in base- band, RS485 2 twisted shielded pairs

1.2...38.4 kbit/ s half duplex

discrete input number: 12 EN/IEC 61131 type 1

discrete input logic: Sink or source

discrete input current: 5 MA I0...I1 5 MA I6...I7 7 MA I2...I5 7 mA I8...I11

discrete output number: 2 solid state PNP Q0...Q1 source 6 relay Q2...Q7

discrete output current: 2000 mA relay 300 mA solid state

topology: Devices linked by daisy-chaining or tap junctions

bus length: 0.00...32.81 ft (0...10 m) 0.00...49.21 ft (0...15 m)

number of devices per segment: 0...32

data format: 7 or 8 bits, 1 or 2 stop bits

parity: No Even Odd

discrete input voltage: 24 V Discrete input voltage type DC

discrete input type: NPN or PNP

input voltage: limits 20.4...26.4 V

electronic filtering time: 0.035 Ms I0...I1 at state 1 0.035 Ms I6...I7 at state 1 0.04 Ms I2...I5 at state 1 0.04 Ms I8...I11 at state 1

configurable filtering time: 3 ms 12 ms 0 ms

input impedance: 3.4 kOhm I2...I5 3.4 kOhm I8...I11 5.7 kOhm I0...I1 5.7 kOhm I6...I7

discrete output voltage: 24 V DC solid state 240 V AC relay 30 V DC relay

output voltage: limits 20.4...28.8 V solid state

maximum output current: 360 mA, solid state

maximum current: per output common 8 A relay 0.72 A solid state 1

current consumption: 30 mA 5 V DC at state 1) relay output 40 mA 24 V DC at state 1) relay

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output 5 mA 5 V DC at state 0) relay output
 output overvoltage protection: 38...40 V
 maximum tungsten load: <8 W solid state
 response time: 300 μ s at state 0 relay 300 μ s at state 1 relay 5 μ s at state 0 solid state 5 μ s at state 1 solid state
 minimum switchable load: 0.1 mA
 contact bounce time: 1 ms relay
 maximum leakage current: 0.1 mA at state 0 solid state
 drop out voltage: 1 V at state 1
 insulation between channel and internal logic: 1500 Vrms for 1 minute relay output 500 Vrms for 1 minute input circuit 500 Vrms for 1 minute solid state output
 insulation between channels: None
 contact resistance: 30 mOhm
 electrical durability: 500000 Cycles AC-1 500 VA relay output 500000 Cycles AC-14 250 VA relay output 500000 Cycles AC-15 200 VA relay output 500000 Cycles DC-1 60 W relay output
 supply circuit type: DC
 rated supply voltage: 24 V
 supply voltage limits: 20.4...26.2 V
 input current: 700 mA 26.2 V supply circuit
 inrush current: 1 A solid state output 50 A supply circuit
 power consumption in w: 19 W
 maximum number of i o expansion: 7
 i o expansion capacity: 132 screw terminal discrete I/O 188 spring terminal discrete I/O 244 HE10 connector discrete I/O 7 x 8I or 7 x 2I or 7 x (4I/2O) screw terminal analogue I/O
 insulation resistance: 10 MOhm between I/O and earth terminals $\geq$ 10 MOhm between power supply and earth I/O connection Removable screw terminal block
 number of common point: 1 relay output 1 NO) 1 relay output 2 NO) 1 relay output 3 NO) 1 input
 counting input number: 2
 counting capacity: 32 bits
 counting frequency: 5000 Hz 20000 Hz
 pulse generator number: 2
 pulse generator frequency: 7 kHz Pulse generator function RPLS pulse generator output RPWM pulse width modulation
 marking: CE
 fixing mode by clips: 35 mm symmetrical DIN rail) By screws panel with fixing kit) By screws solid plate with fixing kit)
 status led: I/O 1 LED per channel green)
 pwr: 1 LED green)
 err: 1 LED red)
 com: 1 LED yellow)

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net weight: 0.42 lb(US) (0.19 kg) 2
ip degree of protection: IP20
immunity to microbreaks: 10 ms supply circuit
dielectric strength: 500 V between I/O and earth terminals 500 V between power supply and earth
standards: CSA C22.2 No 213 Class I Division 2 Group A
en: 61131-2
iec: 61131-2 CSA
csa: C22.2 No 213 Class I Division 2 Group B
csa: C22.2 No 213 Class I Division 2 Group D
ul: 508
csa: C22.2 No 213 Class I Division 2 Group C
product certifications: CULus
ambient air temperature for operation: 32...131 ° F (0...55 ° C)
ambient air temperature for storage: -13...158 ° F (-25...70 ° C)
relative humidity: 30...95 % without condensation
pollution degree: 2 EN 60664
operating altitude: 0...6561.68 ft (0...2000 m)
storage altitude: 0.00...9842.52 ft (0...3000 m)
vibration resistance: 0.075 mm 10...57 Hz 35 mm symmetrical DIN rail 1 gn 57...150 Hz 35 mm symmetrical DIN rail
shock resistance: 15 gn 11 ms EN 61131 15 gn 11 ms IEC 61131
resistance to electrostatic discharge: 4 KV in contact IEC 61000-4-2 8 KV in air EN 61000-4-2 8 KV in air IEC 61000-4-2 4 kV in contact EN 61000-4-2
resistance to radiated fields: 9.14 V/M (10 V/m) 80000000...2000000000 Hz EN 61000-4-3 9.14 V/m (10 V/m) 80000000...2000000000 Hz IEC 61000-4-3
resistance to fast transients: 1 KV IEC 61000-4-4 24 V solid state I/O) 2 kV IEC 61000-4-4 24 V supply)
gtin: 00785901621188 Returnability No
country of origin: FR
sustainable offer status: Green Premium product
california proposition: 65 WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause Carcinogen & Reproductive harm. For more information go to www.p65warnings.ca.gov
reach: Declaration
eu: RoHS Directive Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
mercury free: Yes RoHS exemption information
china: RoHS Regulation
china: RoHS Declaration
end: Of Life Information WEEE The product must be disposed on European Union markets

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following specific waste collection and never end up in rubbish bins. 3

warranty: 18 months 4

dimensions: Drawings

network: Interface Module

note: 8.5 mm (0.33 in) when the clamp is pulled out. 5

mounting and: Clearance Mounting an Island on a Panel or in a Cabinet

spacing: Requirements

panel: Mounting Position of the Mounting Holes for the Network Interface Module 6

connections and: Schema 24 Vdc Power Supply

fu: 2 A fast-blow fuse ABE7FU200

Product details:

Main

Complementary

0.045 Ms I0...I1 at state 0

0.045 Ms I6...I7 at state 0

0.15 Ms I2...I5 at state 0

0.15 ms I8...I11 at state 0

500000 cycles DC-13 30 W relay output

1 solid state output

Environment

Ordering and shipping details

Category 18217 - ADVANTYS OTB

Offer Sustainability

Product Environmental Profile

Contractual warranty

Dimensions

Wiring Diagram

- Output points 0 and 1 are source transistor outputs, all other output points are relay.
- The COM terminals are not connected together internally.
- Connect an appropriate fuse for the load.

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