

I/O utv. 12 ut tr. 0,5A, 1-leder, kit

## Partnumber: TM5SDO12TK

Wholesalernumber:

EAN 13 code: 3595864154749

Composition kit of I/O(TM5SDO12T) + term. block(TM5ACTB12) + bus base(TM5ACBM11)

### Technical information

#### ► Compatibility

range compatibility	Modicon LMC058
	Modicon M258
product compatibility	motion controller
	logic controller

#### ► Functional

device composition	bus sub-base TM5ACBM11
	terminal block TM5ACTB12
	I/O module TM5SDO12T
discrete output number	12
discrete output type	transistor
discrete output logic	source
response time	<= 300 µs from state 0 to state 1 for output
	<= 300 µs from state 1 to state 0 for output
isolation	no insulation between channels
	500 Vrms AC insulation between channel and bus
local signalling	1 LED green for power supply
	1 LED red for power supply
	12 LEDs yellow for output status
marking	CE

#### ► Electrical

output voltage	24 V DC
output voltage limits	20.4...28.8 V
current per channel	0.5 A A
current per output common	<= 6 A A
peak output current	<= 12 A A
leakage current	5 µA when switched off
short-circuit protection	with
overload protection	with
voltage drop	<= 0.3 V at 500 mA for output
	<= 2 V at 500 mA for sensor supply
supply current for sensors	500 mA mA
current consumption	48 mA 5 V DC
	52 mA 24 V DC
power dissipation in W	<= 2.04 W W
surge withstand	0.5 kV differential mode conforming to EN/IEC 61000-4-5
	1 kV common mode conforming to EN/IEC 61000-4-5

#### ► Performance

switching frequency	<= 500 Hz resistive load
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#### ► Connections

electrical connection	1 wire
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#### ► Product identification

range of product	Modicon TM5
product or component type	discrete output module
colour	white
reverse polarity protection	with

#### ► Physical characteristics

product weight	0.065 kg kg
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## ► Environment

<b>ambient air temperature for operation</b>	0...50 °C vertical installation 0...55 °C without derating factorhorizontal installation 0...60 °C with derating factorhorizontal installation
<b>ambient air temperature for storage</b>	-25...70 °C °C
<b>relative humidity</b>	5...95 % without condensation
<b>IP degree of protection</b>	IP20 conforming to IEC 61131-2
<b>pollution degree</b>	2 conforming to IEC 60664
<b>operating altitude</b>	0...2000 m m
<b>storage altitude</b>	0...3000 m m
<b>vibration resistance</b>	1 gn 8.4...150 Hz DIN rail 3.5 mm 5...8.4 Hz DIN rail
<b>shock resistance</b>	15 gn for 11 ms
<b>resistance to electrostatic discharge</b>	4 kV on contact conforming to EN/IEC 61000-4-2 8 kV in air conforming to EN/IEC 61000-4-2
<b>resistance to electromagnetic fields</b>	1 V/m 2...2.7 GHz conforming to EN/IEC 61000-4-3 10 V/m 80...2000 MHz conforming to EN/IEC 61000-4-3
<b>resistance to fast transients</b>	1 kV I/O conforming to EN/IEC 61000-4-4 1 kV shielded cable conforming to EN/IEC 61000-4-4 2 kV power lines conforming to EN/IEC 61000-4-4
<b>electromagnetic compatibility disturbance radiated/conducted</b>	EN/IEC 61000-4-6 CISPR 11

## ► Certifications and standards

<b>standards</b>	CSA C22.2 No 142 CSA C22.2 No 142 IEC 61131-2 IEC 61131-2 UL 508 UL 508 CSA C22.2 No 213 CSA C22.2 No 213
<b>product certifications</b>	CSA C-Tick cULus GOST-R

## Supplier information

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