

I/O utv. 4 ut $\pm 10V/0-20mA$, 12 bit, kit

Partnumber: TM5SAO4LK

Wholesalernumber:

EAN 13 code: 3595864154763

Composition kit of I/O(TM5SAO4L) + 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 TM5SAO4L
analogue output number	4
analogue output type	current 0...20 mA voltage +/- 10 V
analogue output resolution	12 bits 0...20 mA 12 bits + sign +/- 10 V
measurement resolution	4.882 mV, +/- 10 V 9.766 μA , 0...20 mA
response time	<= 1 ms
sampling duration	300 μs
measurement error	< 0.08 % of full scale, +/- 10 V, +/- 10 V at 25 °C < 0.08 % of full scale, 0...20 mA, 0...20 mA at 25 °C
temperature coefficient	0.015 %FS/°C, analogue output type: current 0.015 %FS/°C, analogue output type: voltage
non-linearity	< 0.005 %FS, analogue output type: current < 0.005 %FS, analogue output type: voltage
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 4 LEDs yellow for output status
marking	CE
► Electrical	
output impedance	>= 1 Ohm Ohm
load impedance ohmic	200...500 Ohm (current)
[Us] rated supply voltage	24 V DC -15...20 %
current consumption	2 mA 5 V DC bus 63 mA 24 V DC input/output
power dissipation in W	<= 1.51 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
► Connections	
type of cable	shielded cable
► Product identification	
range of product	Modicon TM5
product or component type	analog output module
colour	white
supply	internal
► Physical characteristics	
product weight	0.065 kg kg

► Environment

ambient air temperature for operation	0...50 °C (vertical installation) 0...55 °C without derating factor (horizontal installation) 0...60 °C with derating factor (horizontal installation)
ambient air temperature for storage	-25...70 °C °C
relative humidity	5...95 % without condensation
IP degree of protection	IP20 conforming to IEC 61131-2
pollution degree	2 conforming to IEC 60664
operating altitude	0...2000 m m
storage altitude	0...3000 m m
vibration resistance	1 gn (f= 8.4...150 Hz) DIN rail 3.5 mm (f= 5...8.4 Hz) DIN rail
shock resistance	15 gn for 11 ms
resistance to electrostatic discharge	4 kV on contact conforming to EN/IEC 61000-4-2 8 kV in air conforming to EN/IEC 61000-4-2
resistance to electromagnetic fields	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
resistance to fast transients	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
electromagnetic compatibility	EN/IEC 61000-4-6
disturbance radiated/conducted	CISPR 11

► Certifications and standards

standards	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
product certifications	CSA C-Tick cULus GOST-R

Supplier information

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