Product data sheet
Characteristics

TM5SDO4T
discrete output module, Modicon TM5, 4 DO, 24V DC, 0.5A, 3 wires



Main

Range of product	Modicon TM5
Product or component type	Discrete output module
Product compatibility	PacDrive LMC Pro 2 PacDrive LMC Pro PacDrive LMC Eco Logic controller Motion controller
Range compatibility	Modicon LMC058 PacDrive LMC motion controller Modicon M258
Discrete output number	4
Discrete output logic	Source
Discrete output voltage	24 V DC (20.4...28.8 V) for transistor

Complementary

Current per channel	0.5 A
Maximum current per output common	2 A
Peak output current	12 A
Switching frequency	<= 500 Hz resistive load
Response time	<= 300 µs from state 0 to state 1 for output <= 300 µs from state 1 to state 0 for output
Discrete output number	4 transistor at 24 V DC
Maximum leakage current	5 MA 24 V DC when switched off
Maximum voltage drop	<0.3 V at 500 mA for output <2 V at 500 mA for sensor supply
Typical current consumption	20 MA at 24 V DC 32 MA at 5 V DC
Electrical connection	3 wires
Power dissipation in W	0.86 W
Local signalling	1 LED (green) for power supply 1 LED (red) for power supply 4 LEDs (yellow) for output status
Height	99 Mm
Width	12.5 Mm
Depth	75 Mm

Net weight	0.025 Kg
Electromagnetic compatibility	Electrostatic discharge immunity test, 4 kV on contact conforming to IEC 61000-4-2 Electrostatic discharge immunity test, 8 kV in air conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields, 1 V/m 2...2.7 GHz conforming to IEC 61000-4-3 Susceptibility to electromagnetic fields, 10 V/m 80...2000 MHz conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test, 1 kV I/O conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test, 1 kV shielded cable conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test, 2 kV power lines conforming to IEC 61000-4-4 1.2/50 µs shock waves immunity test, 0.5 kV differential mode conforming to IEC 61000-4-5 1.2/50 µs shock waves immunity test, 1 kV common mode conforming to IEC 61000-4-5 Conducted RF disturbances conforming to IEC 61000-4-6 Conducted and radiated emissions conforming to CISPR 11

Environment

IP degree of protection	IP20
Marking	CE
Product certifications	CSA[RETURN]GOST-R[RETURN]CULus[RETURN]C-Tick
Standards	IEC 61131-2 CSA C22.2 No 213 UL 508 CSA C22.2 No 142
Ambient air temperature for operation	-10…55 °C without derating (horizontal installation) -10…60 °C with derating factor (horizontal installation) -10…50 °C (vertical installation)
Ambient air temperature for storage	-40…70 °C
Relative humidity	5…95 % without condensation
Operating altitude	0...2000 m
Pollution degree	2
Vibration resistance	1 gn (f = 8.4…150 Hz) on DIN rail 3.5 mm (f = 5…8.4 Hz) on DIN rail
Shock resistance	15 gn for 11 ms

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.000 Cm
Package 1 Width	6.000 Cm
Package 1 Length	10.500 Cm
Package 1 Weight	38.000 G
Unit Type of Package 2	S02
Number of Units in Package 2	97
Package 2 Height	15.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	4.017 Kg

Offer Sustainability

Recyclability potential, in %	0
Total lifecycle Carbon footprint	36 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.279147701958784
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.013305248139729916
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.026243984734152466
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	34.69100649460125
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	35 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No

Carbon footprint of the end-of-life phase [C1 to C4]	0.06061679245034418
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	36
Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
SCIP Number	32d15f54-9a77-4508-97b7-76c4b8b3eabf
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, wh
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised