



Main

Range of product	Modicon TM5
Product or component type	Counter module
Function of module	2 x 24 V DC RS422 sink auxiliary inputs 24 V DC encoder power supply
Discrete input number	2
Counting frequency	4 MHz
Encoder type	1 incremental encoder

Complementary

Range compatibility	PacDrive LMC Eco PacDrive LMC Pro PacDrive LMC Pro2
Product compatibility	Motion controller
Counter inputs resolution	16 bits/32 bits
Maximum cycle time	2 ms
Isolation	500 Vrms AC insulation between channel and bus
Discrete input logic	Sink
Discrete input voltage	24 V DC
Discrete input current	At 24 V
Input filtering	<= 200 ms
Current consumption	2 mA at 5 V DC bus 63 mA at 24 V DC input/output
Maximum power dissipation in W	1.51 W
Marking	CE
Net weight	0.025 kg

Environment

Standards	UL 508 CSA C22.2 No 142 CSA C22.2 No 213 IEC 61131-2
Product certifications	cULus[RETURN]C-Tick[RETURN]GOST-R[RETURN]CSA
Ambient air temperature for operation	0...55 °C without derating (horizontal installation) 0...60 °C with derating factor (horizontal installation) 0...50 °C (vertical installation)
Ambient air temperature for storage	-25...70 °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
Storage altitude	0...3000 m
Vibration resistance	1 gn at 8.4...150 Hz on DIN rail 3.5 mm at 5...8.4 Hz on DIN rail
Shock resistance	15 gn for 11 ms
Resistance to electrostatic discharge	4 kV on contact conforming to IEC 61000-4-2 8 kV in air conforming to IEC 61000-4-2

Resistance to electromagnetic fields	1 V/M 2...2.7 GHz conforming to IEC 61000-4-3 10 V/m 80...2000 MHz conforming to IEC 61000-4-3
Resistance to fast transients	1 KV (I/O) conforming to IEC 61000-4-4 1 KV (shielded cable) conforming to IEC 61000-4-4 2 kV (power lines) conforming to IEC 61000-4-4
Surge withstand	0.5 KV differential mode conforming to IEC 61000-4-5 1 kV common mode conforming to IEC 61000-4-5
Electromagnetic compatibility	EN/IEC 61000-4-6
Disturbance radiated/conducted	CISPR 11

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	39.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	45
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.968 kg

Offer Sustainability

EU RoHS Directive	Under investigation
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