



Main

Range of Product	Modicon TM5
Product or Component Type	Analog input module
Analogue input number	4
Analogue input type	Current 4...20 mA differential
Analogue input resolution	24 bits 0...20 mA/4...20 mA

Complementary

Range Compatibility	Modicon LMC058 Modicon M258
Product Compatibility	Logic controller Motion controller
Measurement resolution	1 μ A, 4...20 mA
Color	Red
Load impedance ohmic	\leq 230 Ohm current)
Input filtering	1 ms configurable by software 2 ms configurable by software 10 ms configurable by software 16.7 ms configurable by software 20 ms configurable by software 33.3 ms configurable by software 40 ms configurable by software 66.7 ms configurable by software
Sampling duration	7 Ms 14 Ms 20 Ms 25 Ms 40 Ms 48 Ms 62 Ms 5 ms all inputs without filtering
Measurement error	$<$ 0.08 % of full scale 4...20 mA 25 °C
Temperature coefficient	+/-0.005 %FS/°C current
Non-linearity	0.003 %FS current
Type of Cable	Shielded cable
Isolation	500 Vrms AC insulation between channel and bus
Supply	Internal
[Us] rated supply voltage	24 V DC -15...20 %
Common mode rejection	$>$ 70 dB
Local signalling	1 LED green power supply 1 LED red power supply 4 LEDs green input status
Current consumption	2 mA 5 V DC bus 38 mA 24 V DC input/output
Maximum power dissipation in W	0.25 W 1.7 W
Marking	CE
Net Weight	0.15 lb(US) (0.068 kg)

Environment

Standards	UL 508 ISO 13849-1 IEC 61508 IEC 61511 EN 50156-1 IEC 62061
Product Certifications	CSA[RETURN]cULus
Ambient air temperature for operation	32...104 °F (0...40 °C) vertical installation) 32...131 °F (0...55 °C) horizontal installation)
Ambient Air Temperature for Storage	-13...158 °F (-25...70 °C)
Relative humidity	5...95 % without condensation
IP degree of protection	IP20IEC 61131-2
Pollution degree	2 IEC 60664
Operating altitude	0...6561.68 ft (0...2000 m)
Storage altitude	0.00...9842.52 ft (0...3000 m)
Vibration resistance	1 gn 8.4...150 Hz DIN rail 3.5 mm 5...8.4 Hz DIN rail
Shock resistance	15 gn 11 ms
Resistance to electrostatic discharge	4 KV on contact EN/IEC 61000-4-2 8 kV in air EN/IEC 61000-4-2
Resistance to electromagnetic fields	0.91 V/m (1 V/m) 2...2.7 GHz EN/IEC 61000-4-3 9.14 V/m (10 V/m) 80...2000 MHz EN/IEC 61000-4-3
Resistance to fast transients	1 KV EN/IEC 61000-4-4 I/O) 1 KV EN/IEC 61000-4-4 shielded cable) 2 kV EN/IEC 61000-4-4 power lines)
Surge withstand	0.5 KV differential mode EN/IEC 61000-4-5 1 kV common mode EN/IEC 61000-4-5
Electromagnetic compatibility	EN/IEC 61000-4-6
Disturbance radiated/conducted	CISPR 11

Ordering and shipping details

Category	18360-PACDRIVE3 SAFETY
Discount Schedule	PC52
GTIN	3606480941122
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.18 in (3.000 cm)
Package 1 Width	2.36 in (6.000 cm)
Package 1 Length	4.13 in (10.500 cm)
Package 1 Weight	2.40 oz (68.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	7.50 lb(US) (3.400 kg)

Offer Sustainability

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 cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes