



Price* : 1,297.25 USD



Main

Range of product	Modicon TM5
Product or component type	Analog input module
Analogue input number	4
Analogue input type	thermocouple - 210...1200 °C thermocouple J thermocouple - 270...1300 °C thermocouple N thermocouple - 270...1372 °C thermocouple K thermocouple - 50...1768 °C thermocouple S thermocouple - 50...1768 °C thermocouple R thermocouple 0...2320 °C thermocouple C thermocouple -270...+400 °C thermocouple T
Analogue input resolution	24 bits

Complementary

Range compatibility	Modicon M258 Modicon LMC058
Product compatibility	Logic controller Motion controller
Measurement resolution	0.1 °C
Color	Red
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	5 ms 7 ms 14 ms

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

	20 ms 25 ms 40 ms 48 ms 62 ms
Measurement error	2.5 % of full scale - 210...1200 °C thermocouple J 25 °C 2.9 % of full scale - 270...1372 °C thermocouple K 3.3 % of full scale - 270...1300 °C thermocouple N 8.3 % of full scale - 50...1768 °C thermocouple S 7.4 % of full scale - 50...1768 °C thermocouple R 4.8 % of full scale 0...2320 °C thermocouple C 4.6 % of full scale - 270...400 °C thermocouple T 1.6 % of full scale - 40...130 °C Pt 100/Pt 1000
Temperature coefficient	< 0.0021 %FS/°C thermocouple
Type of cable	Shielded cable
Isolation	500 Vrms AC insulation between channel and bus No insulation between channels
Supply	Internal
[Us] rated supply voltage	24 V DC -15...20 %
EMI/RFI Noise rejection (100 kHz to 10 MHz)	> 70 dB
Local signalling	1 LED green power supply 1 LED red power supply 6 LEDs green input status
Current consumption	2 mA 5 V DC bus 30 mA 24 V DC input/output
Maximum power dissipation in W	0.73 W
Marking	CE
Net Weight	0.15 lb(US) (0.066 kg)

Environment

Standards	EN 50156-1 IEC 62061 IEC 61508 ISO 13849-1 UL 508 IEC 61511
Product certifications	CULus CSA
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	03606480941139
Returnability	No

Packing Units

Unit Type of Package 1	PCE
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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 Carcinogen & Reproductive harm. For more information go to www.p65warnings.ca.gov
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
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
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