



Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 877.25 USD



## Main

Range of Product	Modicon TM5
Product or Component Type	Safety dc discrete input module
Discrete input number	20
Discrete input voltage	24 V

## Complementary

Range Compatibility	PacDrive LMC motion controller
Product Compatibility	PacDrive LMC Pro PacDrive LMC Pro 2 PacDrive LMC Eco
Discrete input voltage type	DC
Input voltage limits	20.4...28.8 V
Discrete input logic	Sink
Discrete input current	2.48 MA
Input impedance	9.68 kOhm
Color	Red
Voltage state 0 guaranteed	<= 5 V
Voltage state 1 guaranteed	>= 15 V
Input filtering	<= 500 ms configurable by software <= 150 ms hardware
Protection Type	Short-circuit protection Overload protection
Isolation	No insulation between channels 500 Vrms AC insulation between channel and bus
Maximum voltage drop	<2 V DC
Maximum supply current for sensors	200 MA
Maximum power consumption in W	1.6 W internal 0.4 W bus
Local signalling	1 LED green for power supply 1 LED red for power supply 2 LEDs red safety status 20 LEDs green/red input status

Electrical connection	2 wires
Marking	CE
Safety level	SIL 3 IEC 61508 SIL 3 IEC 62061 PL = e EN 13849-1
Safety reliability data	PFD < 1E-5 MTTFd = 2500 years PFH < 1E-10
Net Weight	0.13 Lb(US) (0.059 kg)

## Environment

Standards	CSA C22.2 No 142 UL 508 EN 13849-1 IEC 61131-2 IEC 61508 IEC 62061
Product Certifications	CULus CSA
Ambient air temperature for operation	32...122 °F (0...50 °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	IP20EN 60529
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
Electromagnetic compatibility	Electrostatic discharge immunity test, 4 kV on contact EN/IEC 61000-4-2 Electrostatic discharge immunity test, 8 kV in air EN/IEC 61000-4-2 Susceptibility to electromagnetic fields, 10 V/m 80...2000 MHz EN/IEC 61000-4-3 Electrical fast transient/burst immunity test, 1 kV I/O EN/IEC 61000-4-4 Electrical fast transient/burst immunity test, 1 kV shielded cable EN/IEC 61000-4-4 Electrical fast transient/burst immunity test, 2 kV power lines EN/IEC 61000-4-4 1.2/50 µs shock waves immunity test, 0.5 kV differential mode EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test, 1 kV common mode EN/IEC 61000-4-5 Conducted RF disturbances EN/IEC 61000-4-6 Conducted and radiated emissions CISPR 11

## Ordering and shipping details

Category	18360 - PACDRIVE3 SAFETY
Discount Schedule	PC52
GTIN	03606480941115
Nbr. of units in pkg.	1
Package weight(Lbs)	1.76 Oz (50 g)
Returnability	No

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.22 In (3.1 cm)
Package 1 width	2.36 In (6 cm)
Package 1 Length	4.09 In (10.4 cm)

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
RECh Regulation	<a href="#">RECh Declaration</a>
RECh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

Product Life Status : **Commercialised**