



Product availability: Stock - Normally stocked in distribution facility

Price\*: 268.00 USD



## Main

Range of Product	Modicon TM5
Product or Component Type	Safety dc discrete output module
Discrete output number	4
Discrete output type	Solid state

## Complementary

Range Compatibility	PacDrive LMC motion controller
Product Compatibility	PacDrive LMC Pro 2 PacDrive LMC Pro PacDrive LMC Eco
Output voltage	24 V DC
Output voltage limits	20.4...28.8 V
Discrete output logic	Source
Current per channel	0.5 A
Maximum current per output common	2 A
Color	Red
Peak output current	12 A
Switching frequency	<= 500 Hz resistive
Maximum leakage current	10 mA when switched off
Protection Type	Short-circuit protection Overload protection
Isolation	500 Vrms AC insulation between channel and bus No insulation between channels
Maximum power consumption in W	0.25 W bus 1.3 W internal
Local signalling	1 LED green for power supply 1 LED red for power supply 2 LEDs red safety status 4 LEDs red/orange output 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	MTTFd > 100 years PFD < 1E-5 PFH < 1E-9
Net Weight	0.06 Lb(US) (0.025 kg)

## Environment

Standards	IEC 61131-2 IEC 61508 IEC 62061 UL 508 CSA C22.2 No 142 EN 13849-1
Product Certifications	GOST-R CSA CULus
Ambient air temperature for operation	14...122 °F (-10...50 °C) vertical installation 14...131 °F (-10...55 °C) horizontal installation)
Ambient Air Temperature for Storage	-40...158 °F (-40...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	03595864128177
Nbr. of units in pkg.	1
Package weight(Lbs)	2.65 Oz (75 g)
Returnability	Yes
Country of origin	AT

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.26 In (3.2 cm)
Package 1 width	2.36 In (6 cm)
Package 1 Length	4.17 In (10.6 cm)

## Offer Sustainability

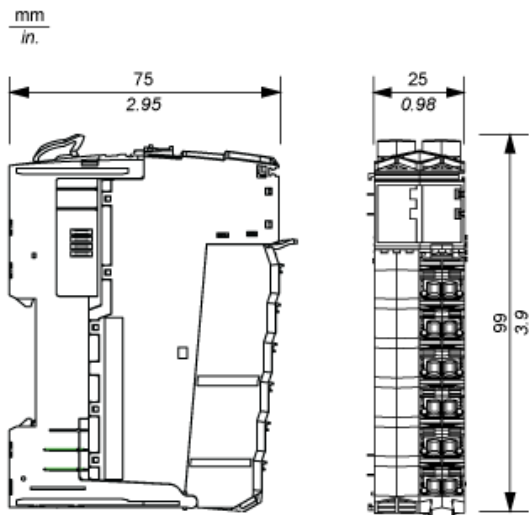
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH 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 legal markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

## Contractual warranty

Warranty	18 months
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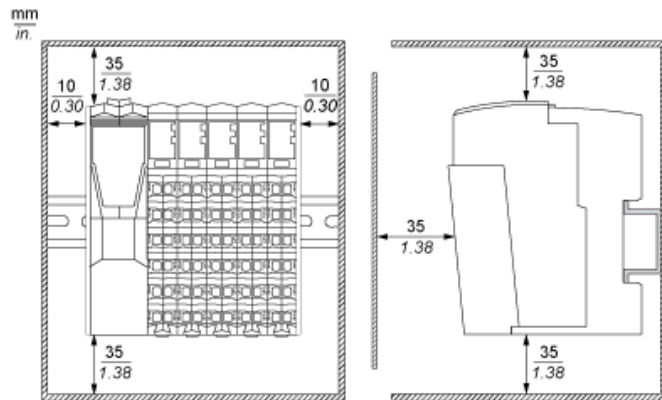
TM5 Slice

Dimensions

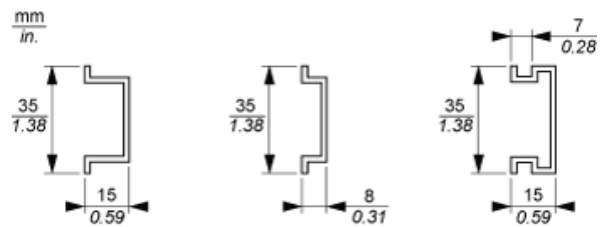


TM5 Safety System

Spacing Requirements







Mounting on a DIN Rail



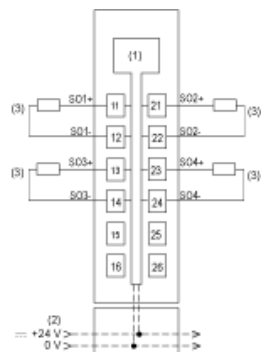
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in.				
mm <sup>2</sup>	0,08...2,5	0,25...2,5	0,25...1,5	2 x 0,25...2 x 0,75
AWG	28...14	24...14	24...16	2 x 24...2 x 18

Electronic Module 4DO 24 Vdc Tr 0.5 A 2 Wires

Wiring Diagram



- (1) Internal electronics
- (2) 24 Vdc I/O power segment integrated into the bus bases
- (3) Actuator 24 Vdc, max. 0.5A, residual current 2.0A

Product Life Status : **Commercialised**