



## Main

Range of product	Modicon TM7
Product or component type	Safety discrete I/O expansion block
Range compatibility	Modicon LMC058 Modicon M258
Enclosure material	Plastic
Bus type	TM7 bus
[Ue] rated operational voltage	24 V DC
Input/output number	8
Input/output number of block	8 I + 4 O

## Complementary

Discrete input number	0..8 configurable by software
Discrete input voltage	24 V
Discrete input voltage type	DC
Discrete input current	3.3 mA
Discrete input logic	Positive logic (sink)
Discrete output number	0..4 <= 2 A configurable by software) 8 clock push-pull <= 50 mA short-circuit and thermal limit
Discrete output voltage	24 V
Discrete output voltage type	DC
Electrical connection	1 male connector M12 - B coding - 4 ways bus IN 1 female connector M12 - B coding - 4 ways bus OUT 8 female connectors M12 - A coding - 5 ways digital I/O 1 male connector M8 - 4 ways power IN 1 female connector M8 - 4 ways power OUT
Local signalling	Power supply status 2 LEDs Safety status 2 LEDs Input/output status 12 LEDs
Operating position	Vertical or horizontal position
Fixing mode	By 2 screws
Net Weight	0.77 lb(US) (0.35 kg)
Safety level	SIL 3 IEC 61508 SIL 3 IEC 62061 PL = e EN 13849-1
Safety reliability data	PFd < 1E-5 MTTFd > 100 years PFH < 1E-9

## Environment

Product certifications	CULus
Marking	CE
Ambient air temperature for operation	32...140 °F (0...60 °C)
Ambient air temperature for storage	-13...185 °F (-25...85 °C)
Relative humidity	5...95 % without condensation or dripping water
Pollution degree	2 IEC 60664
IP degree of protection	IP67 IEC 61131-2
Operating altitude	0...6561.68 ft (0...2000 m)

Vibration resistance	7.5 mm constant amplitude 2...8 Hz)IEC 60721-3-5 Class 5M3 2 gn constant acceleration 8...200 Hz)IEC 60721-3-5 Class 5M3 4 gn constant acceleration 200...500 Hz)IEC 60721-3-5 Class 5M3
Shock resistance	30 gn 11 ms IEC 60721-3-5 Class 5M3
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, 2 kV power supply EN/IEC 61000-4-4 Electrical fast transient/burst immunity test, 1 kV input/output EN/IEC 61000-4-4 Electrical fast transient/burst immunity test, 1 kV shielded cable EN/IEC 61000-4-4 1.2/50 µs shock waves immunity test, 0.5 kV power supply (common mode) EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test, 1 kV power supply (differential mode) EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test, 0.5 kV unshielded links (common mode) EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test, 1 kV unshielded links (differential mode) EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test, 0.5 kV shielded links (common mode) EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test, 1 kV shielded links (differential 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	03595864128214
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	AT

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.77 in (4.5 cm)
Package 1 width	2.17 in (5.5 cm)
Package 1 Length	6.89 in (17.5 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 Carcinogen & Reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</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 markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

## Contractual warranty

Warranty	18 months
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