

TM7SDM12DTFS

Safety discrete I/O expansion block, Modicon TM7, IP67, 8 DI/4 DO, 24 V DC, 2 A, M12 connector



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

Price*: 618.00 USD



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 splitter box	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	For power supply status 2 LEDs For safety status 2 LEDs for 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 conforming to 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)	13.19 Oz (374 g)
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 cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
RECh Regulation	RECh Declaration
RECh 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 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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Product Life Status : **Commercialised**