Product datasheet

Specifications





common distribution module - 12 x 0 V DC

TM5SPDG12F

() Discontinued on: 9 Feb 2023

EAN Code: 3595864074955

Main

Range Of Product	Modicon TM5	
Product Or Component Type	Common distribution module	
Product Specific Application	Cabling various voltage to power 12 I/O in 0 V DC	

Complementary

Range Compatibility	Modicon M258 Modicon LMC058	
Product Compatibility	Motion controller Logic controller	
[Us] Rated Supply Voltage	24 V	
Network Type	DC	
Short-Circuit Protection	6.3 A internal fuse	
Marking	CE	
Net Weight	0.025 kg	

Environment

Standards	IEC 61131-2 CSA C22.2 No 213 UL 508 CSA C22.2 No 142				
Product Certifications	cULus C-Tick CSA GOST-R				
Ambient Air Temperature For Operation	050 °C (vertical installation) 055 °C without derating (horizontal installation) 060 °C with derating factor (horizontal installation)				
Ambient Air Temperature For Storage	-2570 °C				
Relative Humidity	595 % without condensation				
Ip Degree Of Protection	IP20 conforming to IEC 61131-2				
Pollution Degree	2 conforming to IEC 60664				
Operating Altitude	02000 m				
Storage Altitude	03000 m				
Vibration Resistance	1 gn at 8.4150 Hz on DIN rail 3.5 mm at 58.4 Hz on DIN rail				
Shock Resistance	15 gn for 11 ms				

Resistance To Electrostatic Discharge	4 kV on contact conforming to IEC 61000-4-2 8 kV in air conforming to IEC 61000-4-2		
Resistance To Electromagnetic Fields	1 V/m 22.7 GHz conforming to IEC 61000-4-3 10 V/m 802000 MHz conforming to IEC 61000-4-3	5	
Resistance To Fast Transients	1 kV (I/O) conforming to IEC 61000-4-4 1 kV (shielded cable) conforming to IEC 61000-4-4 2 kV (power lines) conforming to IEC 61000-4-4		
Surge Withstand	0.5 kV differential mode conforming to IEC 61000-4-5 1 kV common mode conforming to IEC 61000-4-5		
Electromagnetic Compatibility	EN/IEC 61000-4-6		
Disturbance Radiated/Conducted	e Radiated/Conducted CISPR 11		

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.000 cm
Package 1 Width	6.000 cm
Package 1 Length	10.500 cm
Package 1 Weight	39.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	97
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.135 kg

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes
Pvc Free

Certifications & Standards

Reach Regulation	REACh Declaration		
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration		
China Rohs Regulation	China RoHS declaration		
Environmental Disclosure	Product Environmental Profile		
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins		
Circularity Profile	End of Life Information		

Product datasheet

Dimensions Drawings

TM5 Slice

Dimensions

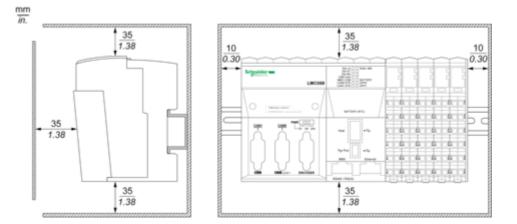
mm in. 75 2.95 0.49 0.49 0.66 66

Product datasheet

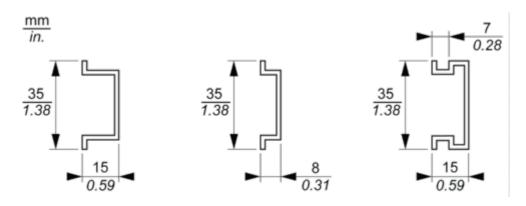
Mounting and Clearance

TM5 System

Spacing Requirements



Mounting on a DIN Rail



Connections and Schema

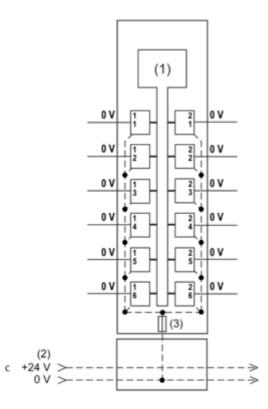
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in.	9 0.35		å		æ
	mm ²	0,082,5	0,252,5	0,251,5	2 x 0,252 x 0,75
	AWG	2814	2414	2416	2 x 242 x 18

Electronic Module 12 x 0 Vdc

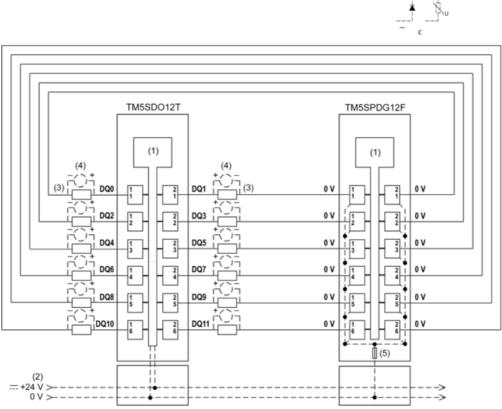
Wiring Diagrams



(1) Internal electronics

(2) 24 Vdc I/O power segment integrated into the bus bases

(3) Integrated fuse type T slow-blow 6.3 A 250 V exchangeable The following figure shows the wiring diagram with a TM5SDO12T:



(1) Internal electronics

(2) 24 Vdc I/O power segment integrated into the bus bases

(3) 1-wire load

(4) Inductive load protection

(5) Integrated fuse type T slow-blow 6.3 A 250 V exchangeable

