Product datasheet





Power distribution module with internal fuse, Modicon TM5, for I/O 24 V DC & bus, 6.3 A

TM5SPS2F

Main

Range of product	Modicon TM5	
product or component type	Power distribution module with internal fuse	
Product specific application	Sunnly 24 V DC I/O modules and bus TM5	

Complementary

Range compatibility	Modicon LMC058 Modicon M258		
Product compatibility	Logic controller Motion controller		
[Us] rated supply voltage	24 V		
Network type	DC		
current supplied	1136 mA for TM5 power bus -1055 °C 740 mA for TM5 power bus 5560 °C 6.3 A for I/O power segment		
Maximum power dissipation in W	2.13 W		
Colour	Grey		
Short-circuit protection	6.3 A internal fuse		
Current consumption	onsumption <= 34 mA 24 V DC		
marking	CE		

Environment

Standards	IEC 61131-2 UL 508 CSA C22.2 No 213 CSA C22.2 No 142			
Product certifications	CSA GOST-R cULus C-Tick			
Ambient air temperature for operation	-1055 °C without derating (horizontal installation) 5560 °C with derating factor (horizontal installation) -1050 °C (vertical installation)			
Ambient air temperature for storage	-2570 °C			
Relative humidity	595 % without condensation			
Operating altitude	ing altitude 02000 m			
Storage altitude	03000 m			
Vibration resistance	nce 1 gn at 8.4150 Hz on DIN rail 3.5 mm at 58.4 Hz on DIN rail			

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Shock resistance	15 gn for 11 ms 4 kV on contact conforming to EN/IEC 61000-4-2 8 kV in air conforming to EN/IEC 61000-4-2		
Resistance to electrostatic discharge			
Resistance to electromagnetic fields 1 V/m 22.7 GHz conforming to EN/IEC 61000-4-3 10 V/m 802000 MHz conforming to EN/IEC 61000-4-3			
Resistance to fast transients	1 kV (I/O) conforming to EN/IEC 61000-4-4 1 kV (shielded cable) conforming to EN/IEC 61000-4-4 2 kV (power lines) conforming to EN/IEC 61000-4-4		
Surge withstand	0.5 kV differential mode conforming to EN/IEC 61000-4-5 1 kV common mode conforming to EN/IEC 61000-4-5		
Electromagnetic compatibility	tromagnetic compatibility EN/IEC 61000-4-6		
Disturbance radiated/conducted	d CISPR 11		

Packing Units

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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	11.000 cm
Package 1 Weight	52.000 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	5.430 kg

Contractual warranty

Warranty 18 months



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

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

Certifications & Standards

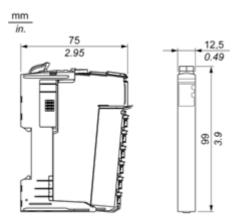
Reach Regulation	REACh Declaration		
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration		
China Rohs Regulation	China RoHS declaration		
Environmental Disclosure	Product Environmental Profile		
Weee	The product must be disposed on European Union markets following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

TM5SPS2F

Dimensions Drawings

TM5 Slice

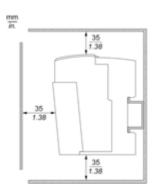
Dimensions

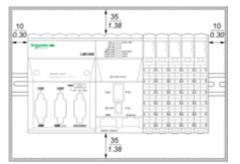


Mounting and Clearance

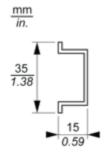
TM5 System

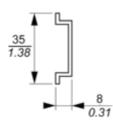
Spacing Requirements

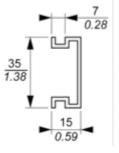




Mounting on a DIN Rail







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Connections and Schema

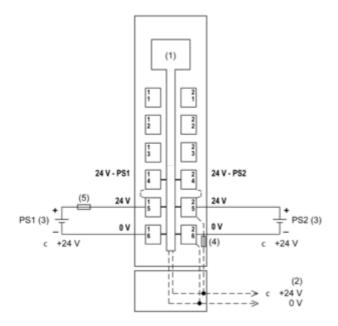
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in.	0.35		2		
	mm²	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

PDM Electronic Module 24 Vdc I/O Fuse 6.3 A and TM5 Power Bus

Wiring Diagram



- (1) Internal electronics
- (2) 24 Vdc I/O power segment integrated into the bus bases
- (3) PS1/PS2: External isolated SELV power supplies limited to 200 VA for UL508 conformance, or limited to 150 VA for CSA 22.2, N° 142 conformance
- (4) Integrated fuse type T slow-blow 10 A 250 V exchangeable
- (5) External fuse type T slow-blow 1 A 250 V