

Power distribution module, Modicon TM5, for I/O 24 V DC

TM5SPS1

Main

Range of product	Modicon TM5	
Product or component type	Power distribution module	
Product specific application	Supply 24 V DC I/O modules	

Complementary

Range compatibility	Modicon M258 Modicon LMC058		
Product compatibility	Logic controller Motion controller		
[Us] rated supply voltage	24 V		
Network type	DC		
current supplied	10 A for I/O power segment		
Maximum power dissipation in W	V 0.8 W		
Colour	Grey		
Short-circuit protection	10 A external fuse		
Current consumption	<= 25 mA 24 V DC		
Marking	CE		

Environment

Standards	CSA C22.2 No 142 CSA C22.2 No 213 UL 508 IEC 61131-2			
Product certifications	GOST-R C-Tick cULus CSA			
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	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	on contact conforming to EN/IEC 61000-4-2 in air conforming to EN/IEC 61000-4-2		
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	ibility EN/IEC 61000-4-6		
Disturbance radiated/conducted	d 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	10.600 cm
Package 1 Weight	35.000 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	3.847 kg

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

∅ Environmental footprint

Environmental Disclosure

Product Environmental Profile

Use Better

Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
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
PVC free	Yes

Use Again

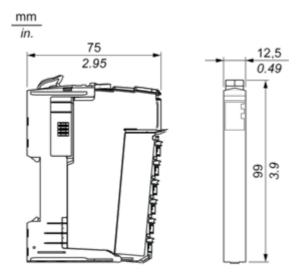
○ Repack and remanufacture				
End of life manual availability	End of Life Information			
Take-back	No			
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins			

TM5SPS1

Dimensions Drawings

TM5 Slice

Dimensions

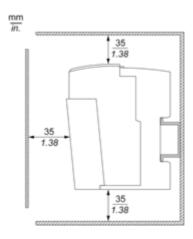


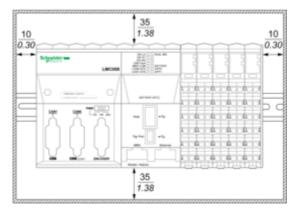
TM5SPS1

Mounting and Clearance

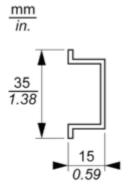
TM5 System

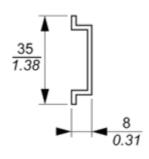
Spacing Requirements

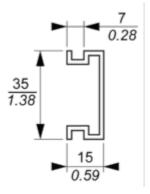




Mounting on a DIN Rail







Product data sheet

TM5SPS1

Connections and Schema

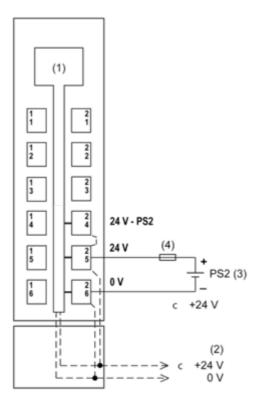
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in.	0.35		Ω		
	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

Wiring Diagram



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