

power distribution module, Modicon TM5, 24V DC IO with bus

TM5SPS2

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon TM5	
Product or Component Type	Power distribution module	
Product Specific Application	Supply 24 V DC I/O modules and bus TM5	

Complementary

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Range Compatibility	Modicon LMC058 Modicon M258		
Product Compatibility	Motion controller Logic controller		
[Us] rated supply voltage	24 V		
Network type	DC		
current supplied	1136 mA TM5 power bus 14131 °F (-1055 °C) 740 mA TM5 power bus 131140 °F (5560 °C) 10 A I/O power segment		
Maximum power dissipation in W	1.91 W		
Color	Gray		
Short-circuit protection	10 A external fuse		
Current consumption	<= 25 mA 24 V DC		
Marking	CE		

Environment

Standards	UL 508 CSA C22.2 No 213 CSA C22.2 No 142 IEC 61131-2				
Product Certifications	CSA C-tick cULus GOST-R				
Ambient air temperature for operation	14131 °F (-1055 °C) without derating horizontal installation) 131140 °F (5560 °C) with derating factor horizontal installation) 14122 °F (-1050 °C) vertical installation)				
Ambient Air Temperature for Storage	-13158 °F (-2570 °C)				
Relative humidity	595 % without condensation				
Operating altitude	ating altitude 06561.68 ft (02000 m)				
Storage altitude	09842.5 ft (03000 m)				
Vibration resistance	1 gn 8.4150 Hz DIN rail 3.5 mm 58.4 Hz DIN rail				

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Shock resistance	15 gn 11 ms		
Resistance to electrostatic discharge	4 kV on contact EN/IEC 61000-4-2 8 kV in air EN/IEC 61000-4-2		
Resistance to electromagnetic fields	0.9 V/m (1 V/m) 22.7 GHz EN/IEC 61000-4-3 9.1 V/m (10 V/m) 802000 MHz EN/IEC 61000-4-3		
Resistance to fast transients	1 kV EN/IEC 61000-4-4 I/O) 1 kV EN/IEC 61000-4-4 shielded cable) 2 kV EN/IEC 61000-4-4 power lines)		
Surge withstand	0.5 kV differential mode EN/IEC 61000-4-5 1 kV common mode EN/IEC 61000-4-5		
Electromagnetic compatibility	EN/IEC 61000-4-6		
Disturbance radiated/conducted	CISPR 11		

Ordering and shipping details

Category	US1PC1222532		
Discount Schedule	PC12		
GTIN	3595864074924		
Returnability	Yes		
Country of origin	AT		

Packing Units

Unit Type of Package 1	PCE		
Number of Units in Package 1	1		
Package 1 Height	0.79 in (2.000 cm)		
Package 1 Width	2.36 in (6.000 cm)		
Package 1 Length	4.13 in (10.500 cm)		
Package 1 Weight	1.764 oz (50.000 g)		
Unit Type of Package 2	S02		
Number of Units in Package 2	97		
Package 2 Height	5.91 in (15.000 cm)		
Package 2 Width	11.81 in (30.000 cm)		
Package 2 Length	15.75 in (40.000 cm)		
Package 2 Weight	11.654 lb(US) (5.286 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

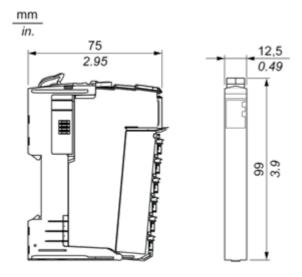
Use Again

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

Dimensions Drawings

TM5 Slice

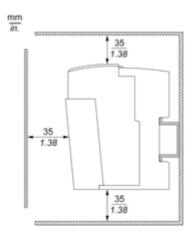
Dimensions

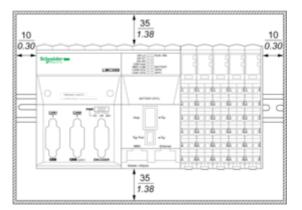


Mounting and Clearance

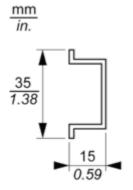
TM5 System

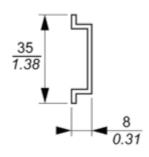
Spacing Requirements

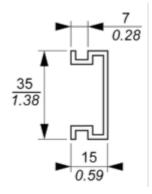




Mounting on a DIN Rail







Product data sheet

TM5SPS2

Connections and Schema

TM5 System Wiring Recommendations

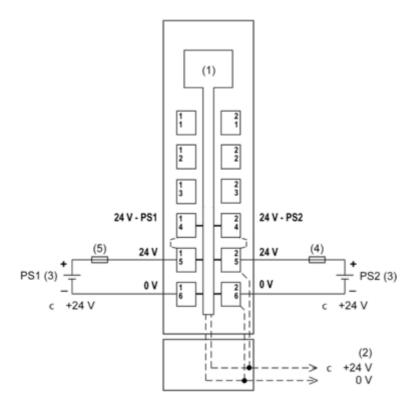
Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in.	0.35		Ω		8D -
	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

Jul 12, 2025

PDM Electronic Module 24 Vdc I/O 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 24 Vdc limited to 200 VA for UL508 conformance, or limited to 150 VA for CSA 22.2, N° 142 conformance
- (4) External fuse type T slow-blow 10 A max. 250 V
- (5) External fuse type T slow-blow 1 A 250 V