

TM5SPS3

power distribution module - for CANopen interface
module and I/O module - 24 V DC



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 CANopen Supply 24 V DC I/O modules and bus Sercos III

Complementary

Range compatibility	Modicon LMC058 Modicon M258 Modicon LMC078
Product compatibility	Motion controller Logic controller
[Us] rated supply voltage	24 V
Network type	DC
Power supply output current	10 A for I/O power segment 750 mA for TM5 power bus -10...55 °C 500 mA for TM5 power bus 55...60 °C
Power dissipation in W	<= 1.91 W
Colour	Grey
Short-circuit protection	10 A with external fuse
Current consumption	<= 25 mA 24 V DC
Marking	CE
Product weight	0.03 kg

Environment

standards	CSA C22.2 No 142 IEC 61131-2 UL 508 CSA C22.2 No 213
product certifications	CSA C-Tick CULus GOST-R
ambient air temperature for operation	-10...50 °C vertical installation -10...55 °C without derating factor horizontal installation 55...60 °C with derating factor horizontal installation
ambient air temperature for storage	-40...70 °C
relative humidity	5...95 % without condensation
operating altitude	0...2000 m
storage altitude	0...3000 m
vibration resistance	1 gn 8.4...150 Hz DIN rail 3.5 mm 5...8.4 Hz DIN rail
shock resistance	15 gn for 11 ms
resistance to electrostatic discharge	4 kV on contact conforming to EN/IEC 61000-4-2 8 kV in air conforming to EN/IEC 61000-4-2
resistance to electromagnetic fields	1 V/m 2...2.7 GHz conforming to EN/IEC 61000-4-3

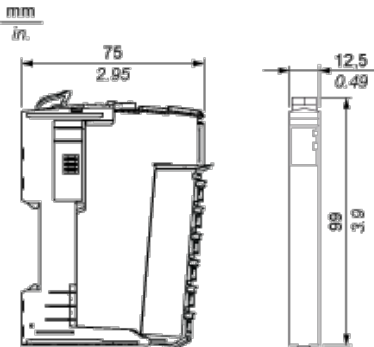
	10 V/m 80...2000 MHz conforming to EN/IEC 61000-4-3
resistance to fast transients	1 kV I/O conforming to EN/IEC 61000-4-4 1 kV shielded cable conforming to EN/IEC 61000-4-4 2 kV power lines conforming to EN/IEC 61000-4-4
surge withstand	0.5 kV differential mode conforming to EN/IEC 61000-4-5 1 kV common mode conforming to EN/IEC 61000-4-5
electromagnetic compatibility	EN/IEC 61000-4-6
disturbance radiated/conducted	CISPR 11

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1039 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

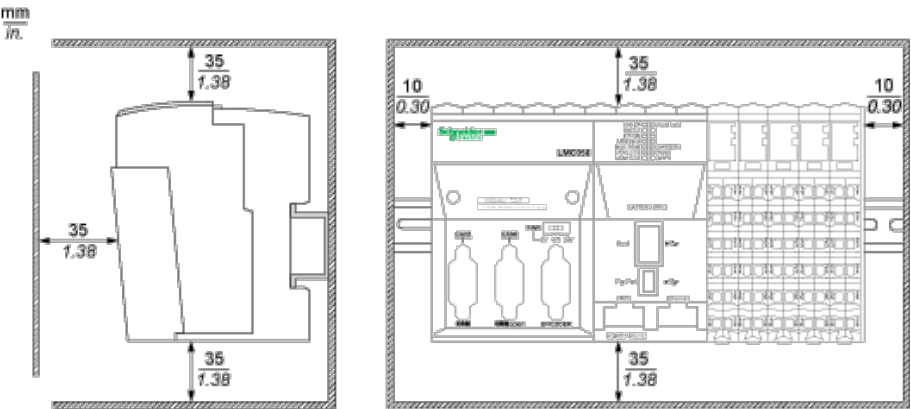
TM5 Slice

Dimensions

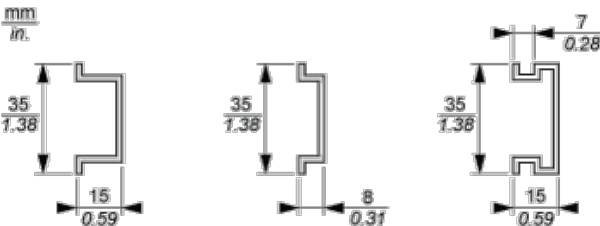


TM5 System

Spacing Requirements



Mounting on a DIN Rail



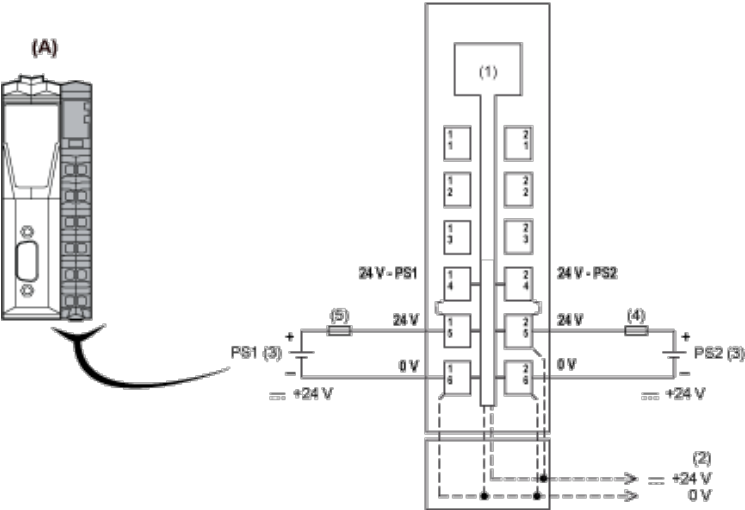
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in. 				
mm ²	0,08...2,5	0,25...2,5	0,25...1,5	2 x 0,25...2 x 0,75
AWG	28...14	24...14	24...16	2 x 24...2 x 18

Interface Power Distribution Module

Wiring Diagram



- (A) Interface Power Distribution Module (IPDM)
- (1) Internal electronics
- (2) 24 Vdc I/O power segment integrated in the bus bases
- (3) PS1/PS2: External isolated power supply 24 Vdc
- (4) External fuse, Type T slow blow, 10 A max., 250 V
- (5) External fuse, Type T slow blow, 1 A, 250 V