Product data sheet
Characteristics

TM5SPS1F
Power distribution module with internal fuse, Modicon TM5, for I/O 24 V DC, 6.3 A

Green Premium™ Product

Main

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

Complementary

Range Compatibility	Modicon M258 Modicon LMC058
Product Compatibility	Motion controller Logic controller
[Us] rated supply voltage	24 V
Network type	DC
Current supplied	6.3 A I/O power segment
Maximum power dissipation in W	1.02 W
Color	Gray
Short-circuit protection	6.3 A internal fuse
Current consumption	<= 34 mA 24 V DC
Marking	CE

Environment

Standards	IEC 61131-2 UL 508 CSA C22.2 No 142 CSA C22.2 No 213
Product Certifications	C-tick CSA GOST-R cULus
Ambient air temperature for operation	14…131 °F (-10…55 °C) without derating horizontal installation) 131…140 °F (55…60 °C) with derating factor horizontal installation) 14…122 °F (-10…50 °C) vertical installation)
Ambient Air Temperature for Storage	-13…158 °F (-25…70 °C)
Relative humidity	5…95 % without condensation
Operating altitude	0...6561.68 ft (0…2000 m)
Storage altitude	0.00…9842.52 ft (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 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	0.91 V/M (1 V/m) 2…2.7 GHz EN/IEC 61000-4-3 9.14 V/m (10 V/m) 80...2000 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	22532-M258 PLC
Discount Schedule	PC12
GTIN	3595864074917
Nbr. of units in pkg.	1
Package weight(Lbs)	1.34 oz (38.0 g)
Returnability	No
Country of origin	AT

Packing Units

| Unit Type of Package 1	PCE
Package 1 Height	0.75 in (1.9 cm)
Package 1 width	2.32 in (5.9 cm)
Package 1 Length	4.09 in (10.4 cm)

Offer Sustainability

| Sustainable offer status	Green Premium product
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
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

Contractual warranty

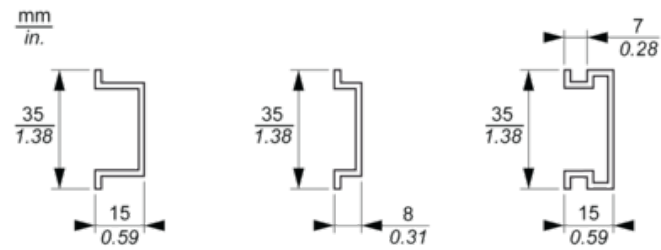| Warranty	18 months

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TM5 Slice

Dimensions
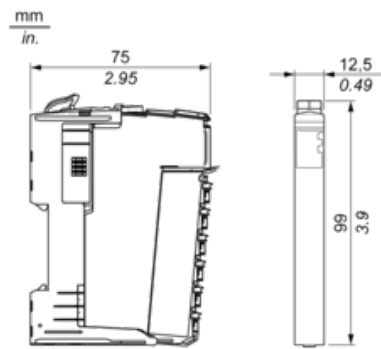
TM5 System

Spacing Requirements
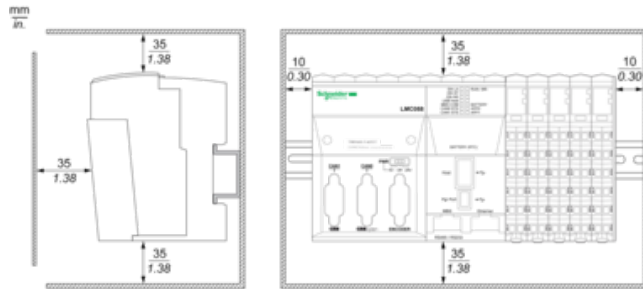
Mounting on a DIN Rail

TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in. 9 0.35	⊂▭	⊂▭	⊂▭	⊏▭
mm²	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

PDM Electronic Module 24 Vdc I/O Fuse 6.3 A

Wiring Diagram
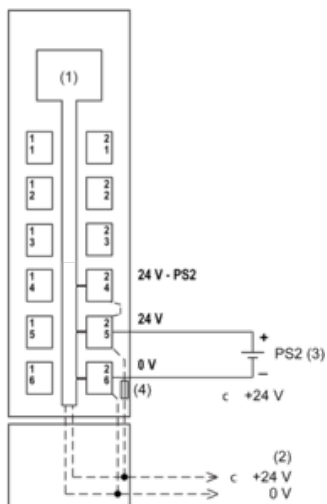
(1) Internal electronics

(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 conformance

(4) Integrated fuse type T slow-blow 10 A 250 V exchangeable