



### Main

Range of product	Modicon TM5
Product or component type	Discrete output module
Discrete output number	2
Discrete output type	Relay

### Complementary

Range compatibility	Modicon LMC058 Modicon M258
Product compatibility	Motion controller Logic controller
Output voltage	30 V DC 230 V AC
Output voltage limits	24...36 V DC 184...276 V AC
Discrete output function	2 C/O
Current per channel	5 A
Current per output common	<= 10 A
Colour	Black
Response time	<= 10 ms from state 1 to state 0 for output <= 10 ms from state 0 to state 1 for output
Short-circuit protection	Without
Overload protection	Without
Reverse polarity protection	With
Current consumption	90 mA 5 V DC bus
Power dissipation in W	<= 2.45 W
Marking	CE
Product weight	0.025 kg

### Environment

Standards	CSA 22-2 No 142 IEC 61131-2 UL 508 CSA 22-2 No 213
Product certifications	CSA C-Tick CULus GOST-R
Ambient air temperature for operation	0...60 °C with derating factorhorizontal installation 0...55 °C without derating factorhorizontal installation 0...50 °C vertical installation
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation
IP degree of protection	IP20 conforming to IEC 61131-2
Pollution degree	2 conforming to IEC 60664

Operating altitude	0...2000 m
Storage altitude	0...3000 m
Vibration resistance	3.5 mm 5...8.4 Hz DIN rail 1 gn 8.4...150 Hz DIN rail
Shock resistance	15 gn for 11 ms
Resistance to electrostatic discharge	8 kV in air conforming to EN/IEC 61000-4-2 4 kV on contact conforming to EN/IEC 61000-4-2
Resistance to electromagnetic fields	10 V/m 80...2000 MHz conforming to EN/IEC 61000-4-3 1 V/m 2...2.7 GHz conforming to EN/IEC 61000-4-3
Resistance to fast transients	2 kV power lines conforming to EN/IEC 61000-4-4 1 kV shielded cable conforming to EN/IEC 61000-4-4 1 kV I/O conforming to EN/IEC 61000-4-4
Surge withstand	1 kV common mode conforming to EN/IEC 61000-4-5 0.5 kV differential mode conforming to EN/IEC 61000-4-5
Electromagnetic compatibility	EN/IEC 61000-4-6
Disturbance radiated/conducted	CISPR11

### Not classified

Isolation	No insulation between channels 500 Vrms AC insulation between channel and bus
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### Offer Sustainability

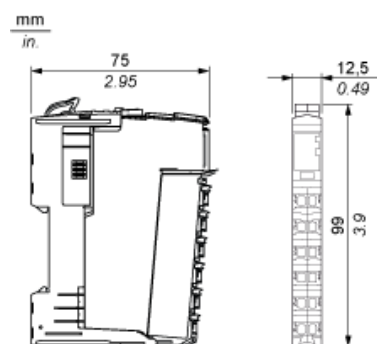
Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 1039 - Schneider Electric declaration of conformity <a href="#">download declaration of conformity</a>

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TM5 Slice

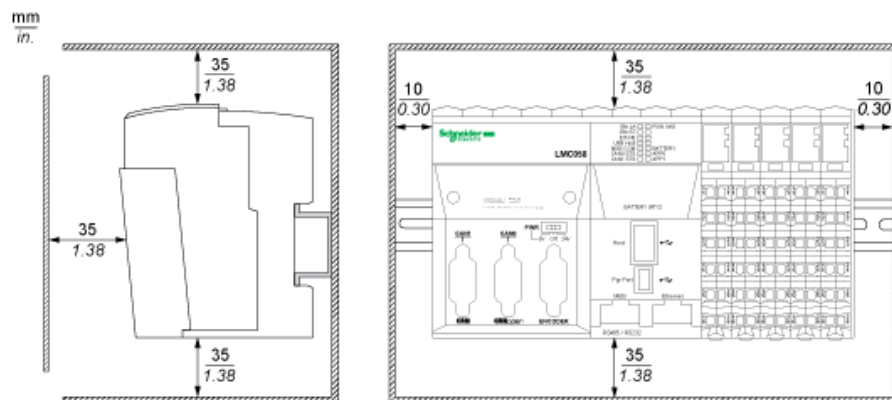
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Dimensions

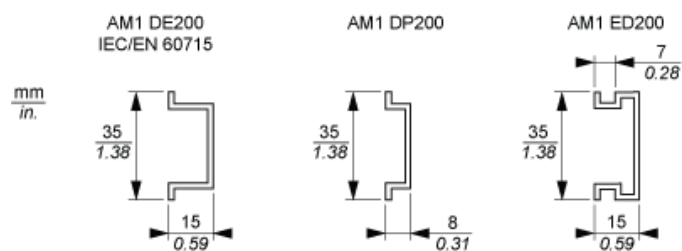


## TM5 System

### Spacing Requirements







### Mounting on a DIN Rail



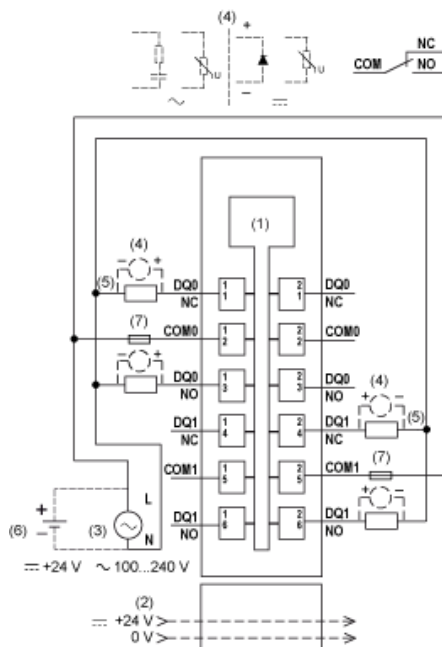
## TM5 System Wiring Recommendations

### Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in.				
mm <sup>2</sup>	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

## Electronic Module 2DO 30 Vdc/230 Vac 5 A Relay C/O

### Wiring Diagram



- (1) Internal electronics
- (2) 24 Vdc I/O power segment integrated into the bus bases
- (3) External power supply 100...240 Vac
- (4) Inductive load protection
- (5) 2-wire load
- (6) External power supply 24 Vdc
- (7) External fuse type T slow-blow 5 A - 250 V