

TM5SDO2R

Discrete output module, Modicon TM5, digital
2O, 30 V DC/230 V AC, 5 A, relay, 2 C/O



Main

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

Complementary

Range compatibility	PacDrive LMC motion controller Modicon LMC058 Modicon M258
Product compatibility	Logic controller PacDrive LMC Pro Motion controller PacDrive LMC Pro 2 PacDrive LMC Eco
Output voltage	230 V AC 30 V DC
Output voltage limits	184...276 V AC 24...36 V DC
Discrete output function	2 C/O
Current per channel	5 A
Maximum current per output common	10 A
Colour	Black
Response time	<= 10 ms from state 0 to state 1 for output <= 10 ms from state 1 to state 0 for output
Protection type	Reverse polarity protection Without overload protection Without short-circuit protection
Isolation	No insulation between channels 500 Vrms AC insulation between channel and bus
Current consumption	90 mA at 5 V DC bus
Maximum power dissipation in W	2.45 W
Marking	CE
Net weight	0.025 kg

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Environment

Standards	IEC 61131-2 UL 508 CSA C22.2 No 213 CSA C22.2 No 142
Product certifications	GOST-R CSA C-Tick CULus
Ambient air temperature for operation	-10...55 °C without derating (horizontal installation) -10...60 °C with derating factor (horizontal installation) -10...50 °C (vertical installation)
Ambient air temperature for storage	-40...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	1 gn at 8.4...150 Hz on DIN rail 3.5 mm at 5...8.4 Hz on DIN rail
Shock resistance	15 gn for 11 ms
Electromagnetic compatibility	Electrostatic discharge immunity test, 4 kV on contact conforming to EN/IEC 61000-4-2 Electrostatic discharge immunity test, 8 kV in air conforming to EN/IEC 61000-4-2 Susceptibility to electromagnetic fields, 1 V/m 2...2.7 GHz conforming to EN/IEC 61000-4-3 Susceptibility to electromagnetic fields, 10 V/m 80...2000 MHz conforming to EN/IEC 61000-4-3 Electrical fast transient/burst immunity test, 1 kV I/O conforming to EN/IEC 61000-4-4 Electrical fast transient/burst immunity test, 1 kV shielded cable conforming to EN/IEC 61000-4-4 Electrical fast transient/burst immunity test, 2 kV power lines conforming to EN/IEC 61000-4-4 1.2/50 µs shock waves immunity test, 0.5 kV differential mode conforming to EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test, 1 kV common mode conforming to EN/IEC 61000-4-5 Conducted RF disturbances conforming to EN/IEC 61000-4-6 Conducted and radiated emissions conforming to CISPR 11

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	45 g
Package 1 Height	2 cm
Package 1 width	6 cm
Package 1 Length	10.6 cm
Unit Type of Package 2	S02
Number of Units in Package 2	97
Package 2 Weight	4.8 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

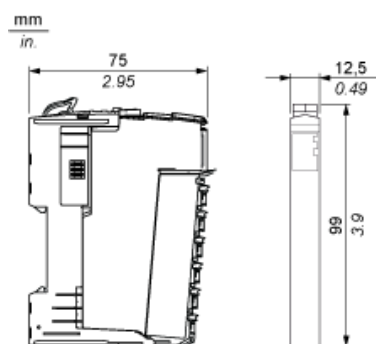
Offer Sustainability

Sustainable offer status	Green Premium product
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

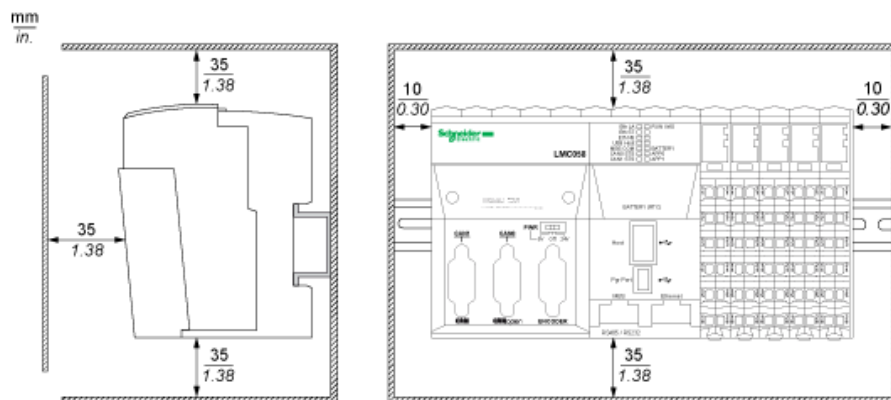
TM5 Slice

Dimensions



TM5 System

Spacing Requirements



Mounting on a DIN Rail

