

## Safety dc discrete output module, Modicon TM5, digital 6O, 24V 0,2 A

TM5SDO6TBFS

### Main

Range of product	Modicon TM5	
Product or component type	Safety dc discrete output module	
Discrete output number	6	
Discrete output type	Solid state	

## Complementary

Range compatibility	PacDrive LMC motion controller	
Product compatibility	PacDrive LMC Eco PacDrive LMC Pro 2 PacDrive LMC Pro	
Output voltage	24 V DC	
Output voltage limits	20.428.8 V	
Discrete output logic	Source	
Current per channel	0.2 A	
Maximum current per output common	2 A	
Colour	Red	
Peak output current	12 A	
Switching frequency	<= 500 Hz resistive load	
Maximum leakage current	10 μA when switched off	
Protection type	Overload protection Short-circuit protection	
Isolation	No insulation between channels 500 Vrms AC insulation between channel and bus	
Maximum power consumption in W	0.25 W for bus 1.3 W for internal	
Local signalling	1 LED green for power supply 1 LED red for power supply 2 LEDs red for safety status 4 LEDs red/orange for output status	
Electrical connection	2 wires	
Marking	CE	
Safety level	SIL 3 conforming to IEC 61508 SIL 3 conforming to IEC 62061 PL = e conforming to EN 13849-1	
Safety reliability data	MTTFd > 100 years PFD < 1E-5 PFH < 1E-9	

Product weight 0.025 kg

### **Environment**

Standards	UL 508 IEC 61131-2 CSA C22.2 No 142 EN 13849-1 IEC 61508 IEC 62061	
Product certifications	cULus CSA	
Ambient air temperature for operation	-1050 °C (vertical installation) -1055 °C (horizontal installation)	
Ambient air temperature for storage	-4070 °C	
Relative humidity	595 % without condensation	
IP degree of protection	IP20 conforming to IEC 60529	
Pollution degree	2 conforming to IEC 60664	
Operating altitude	02000 m	
Storage altitude	03000 m	
Vibration resistance	1 gn at 8.4150 Hz on DIN rail 3.5 mm at 58.4 Hz on DIN rail	
Shock resistance	15 gn for 11 ms	
Electromagnetic compatibility	Electrostatic discharge immunity test, 4 kV on contact conforming to IEC 61000-4-2 Electrostatic discharge immunity test, 8 kV in air conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields, 10 V/m 802000 MHz conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test, 1 kV I/O conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test, 1 kV shielded cable conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test, 2 kV power lines conforming to IEC 61000-4-4 1.2/50 µs shock waves immunity test, 0.5 kV differential mode conforming to IEC 61000-4-5 1.2/50 µs shock waves immunity test, 1 kV common mode conforming to IEC 61000-4-5 Conducted RF disturbances conforming to 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 Height	3.200 cm
Package 1 Width	6.000 cm
Package 1 Length	10.500 cm
Package 1 Weight	69.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.770 kg



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 >

#### **Use Better**

Materials and Substances		
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.	

#### **Use Again**

○ Repack and remanufacture		
Take-back	No	