



### Main

Range of product	Modicon TM3
Product or component type	Remote transmitter module
Range compatibility	Modicon M221 Modicon M241 Modicon M251

### Complementary

Current consumption	100 mA at 5 V DC via bus connector at state on 30 mA at 5 V DC via bus connector at state off
Power dissipation in W	<= 0.6 W
Cable length	0.5...5 m extension cable with 2 RJ45 conductor between receiver and transmitter
Local signalling	1 LED green for power supply 1 LED green for link status
Electrical connection	RJ45 connector for connecting the bus receiver Screw connector terminal for connecting the functional ground
Marking	CE
Resistance to electrostatic discharge	8 kV in air - EN/IEC 61000-4-2 6 kV on contact - EN/IEC 61000-4-2
Resistance to electromagnetic fields	10 V/m (80 MHz...1 GHz) - EN/IEC 61000-4-3 3 V/m (1.4 GHz...2 GHz) - EN/IEC 61000-4-3 1 V/m (2...2.7 GHz) - EN/IEC 61000-4-3
Resistance to conducted disturbances, induced by radio frequency fields	10 Vrms (0.15...80 MHz) - EN/IEC 61000-4-6 3 Vrms (spot frequency (2, 3, 4, 6.2, 8.2, 12.6, 16.5, 18.8, 22, 25 MHz)) - Marine specification (LR, ABS, DNV, GL)
Electromagnetic emission	Radiated emissions - EN/IEC 55011 class A 10 m, 230 MHz...1 GHz : 47 dBµV/m QP Radiated emissions - EN/IEC 55011 class A 10 m, 30...230 MHz : 40 dBµV/m QP
Mounting support	Top hat type TH35-15 rail conforming to IEC 60715 Top hat type TH35-7.5 rail conforming to IEC 60715 Plate or panel with fixing kit
Height	90 mm
Depth	73.3 mm
Width	23.65 mm
Product weight	0.065 kg

### Environment

Standards	UL 508 CSA C22.2 No 142 CSA C22.2 No 213 (Class I Division 2 Groups A/B/C/D) IEC 61131-2 UL 1604 (Class I Division 2 Groups A/B/C)
Product certifications	CSA HazLoc C-Tick GOST Merchant Navy
Ambient air temperature for operation	-10...55 °C for horizontal installation -10...50 °C for vertical installation
Ambient air temperature for storage	-40...70 °C
Relative humidity	5...95 % without condensation
IP degree of protection	IP20 with protective cover in place
Pollution degree	2

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Operating altitude	0...2000 m
Storage altitude	0...3000 m
Vibration resistance	3.5 mm (vibration frequency: 5...8.4 Hz) on DIN rail 3 gn (vibration frequency: 8.4...150 Hz) on DIN rail 3.5 mm (vibration frequency: 5...8.4 Hz) on panel 3 gn (vibration frequency: 8.4...150 Hz) on panel
Shock resistance	15 gn (test wave duration:11 ms)