Product data sheet Characteristics

TM5SBET1

Remote transmitter module, Modicon TM5, communication between I/O



Main

Wall		
Range of Product	Modicon TM5	
Product or Component Type	Remote transmitter module	
Product Specific Application	Communication between remote I/O	

Complementary

Complementary				
Range Compatibility	Modicon M258 Modicon LMC058			
Product Compatibility	Logic controller Motion controller			
Color	White			
Bus length	8202.10 ft (2500 m)			
Maximum cable distance between devices	328.08 ft (100 m)			
Current consumption	25 mA 24 V DC input/output 100 mA 5 V DC bus			
Maximum power dissipation in W	1.1 W			
Local signalling	1 LED green power supply 1 LED red power supply 1 LED yellow communication data bus			
Marking	CE			
Net Weight	0.06 lb(US) (0.025 kg)			
Environment Standards	UL 508 IEC 61131-2 CSA C22.2 No 213 CSA C22.2 No 142			
Product Certifications	CULus GOST-R CSA C-tick			
Ambient air temperature for operation	32122 °F (050 °C) vertical installation) 32131 °F (055 °C) without derating horizontal installation) 32140 °F (060 °C) with derating factor horizontal installation)			
Ambient Air Temperature for Storage	-13158 °F (-2570 °C)			
Relative Humidity	595 % without condensation			
IP degree of protection	IP20IEC 61131-2 IP67			
Pollution degree	2 IEC 60664			
Operating altitude	06561.68 ft (02000 m)			
Storage altitude	0.009842.52 ft (03000 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) 22.7 GHz EN/IEC 61000-4-3 9.14 V/m (10 V/m) 802000 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	3595864074887	
Nbr. of units in pkg.	1	
Package weight(Lbs)	1.34 oz (38.0 g)	
Returnability	No	
Country of origin	AT	

Packing Units

J			
Unit Type of Package 1	PCE		
Package 1 Height	0.79 in (2 cm)		
Package 1 width	2.36 in (6 cm)		
Package 1 Length	4.13 in (10.5 cm)		
Unit Type of Package 2	S02		
Number of Units in Package 2	97		
Package 2 Weight	8.82 lb(US) (4.0 kg)		
Package 2 Height	5.91 in (15 cm)		
Package 2 width	11.81 in (30 cm)		
Package 2 Length	15.75 in (40 cm)		

Offer Sustainability

Sustainable offer status	Green Premium product 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		
California proposition 65			
REACh Regulation	REACh Declaration		
REACh free of SVHC	Yes		
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) 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

Product data sheet Dimensions Drawings

TM5SBET1

TM5 Slice

Dimensions



TM5 System

Spacing Requirements



Mounting on a DIN Rail





TM5SBET1

TM5SBET1

TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in.	9 0.35		ŝ		
	mm²	0,082,5	0,252,5	0,251,5	2 x 0,252 x 0,75
	AWG	2814	2414	2416	2 x 242 x 18

Transmitter Electronic Module

Wiring Diagram



(1) Internal electronics

(2) 24 Vdc I/O power segment integrated into the bus bases

(3) TM5 expansion bus cable (TCSXCNNXNX100)