Product data sheet

Specifications





remote receiver module, Modicon TM5, communication between RIO, distribute power

TM5SBER2

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 240.00 USD

Main

Range of Product	Modicon TM5		
Product or Component Type	Remote receiver module		
Product Specific Application	Communication between remote I/O Distribute power to TM5 bus and I/O		

Complementary

Range Compatibility	Modicon M258 Modicon LMC058			
Product Compatibility	Logic controller Motion controller			
Color	Gray			
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			
Maximum power dissipation in W 2.22 W				
Local signalling	1 LED green power supply 1 LED red power bus current 1 LED red power supply 1 LED yellow communication data bus			
marking	CE			
Net Weight	0.055 lb(US) (0.025 kg)			

Environment

Standards	CSA C22.2 No 142 CSA C22.2 No 213 IEC 61131-2 UL 508 CSA cULus C-tick GOST-R		
Product Certifications			
Ambient air temperature for operation	32.0000000000122.00000000000 °F (050 °C) vertical installation) 32.000000000131.0000000000 °F (055 °C) without derating horizontal installation) 32.0000000000140.0000000000 °F (060 °C) with derating factor horizontal installation)		
Ambient Air Temperature for Storage	-13.0000000000158.0000000000 °F (-2570 °C)		
Relative Humidity	595 % without condensation		

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

IP degree of protection	IP20IEC 61131-2 IP67			
Pollution degree	2 IEC 60664			
Operating altitude	06561.68 ft (02000 m)			
Storage altitude	0.00000000009842.5 ft (03000 m)			
Vibration resistance	1 gn 8.4150 Hz DIN rail 3.5 mm 58.4 Hz DIN rail			
Shock resistance	15 gn 11 ms			
Resistance to electrostatic discharge	4 kV on contact IEC 61000-4-2 8 kV in air IEC 61000-4-2			
Resistance to electromagnetic fields	0.9 V/m (1 V/m) 22.7 GHz IEC 61000-4-3 9.1 V/m (10 V/m) 802000 MHz IEC 61000-4-3			
Resistance to fast transients	1 kV IEC 61000-4-4 I/O) 1 kV IEC 61000-4-4 shielded cable) 2 kV IEC 61000-4-4 power lines)			
Surge withstand	0.5 kV differential mode IEC 61000-4-5 1 kV common mode IEC 61000-4-5			
Electromagnetic compatibility	EN/IEC 61000-4-6			
Disturbance radiated/conducted	CISPR 11			

Ordering and shipping details

Category	US1PC1222532	
Discount Schedule	PC12	
GTIN	3595864074870	
Returnability	No	
Country of origin	AT	

Packing Units

•		
Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	1.181 in (3.000 cm)	
Package 1 Width	2.362 in (6.000 cm)	
Package 1 Length	4.134 in (10.500 cm)	
Package 1 Weight	2.116 oz (60.000 g)	
Unit Type of Package 2	S02	
Number of Units in Package 2	50	
Package 2 Height	5.906 in (15.000 cm)	
Package 2 Width	11.811 in (30.000 cm)	
Package 2 Length	15.748 in (40.000 cm)	
Package 2 Weight	7.275 lb(US) (3.300 kg)	

Contractual warranty

Warranty 18 months



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

Ø	Toxic Heavy Metal Free
	Mercury Free
	Rohs Exemption Information Yes
⊘	Pvc Free

Certifications & Standards

Reach Regulation	REACh Declaration			
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)			
China Rohs Regulation	China RoHS declaration			
Environmental Disclosure	Product Environmental Profile			
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.			
Circularity Profile	End of Life Information			
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.P65Warnings.ca.gov			

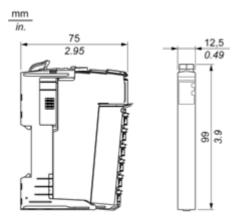
Product data sheet

TM5SBER2

Dimensions Drawings

TM5 Slice

Dimensions

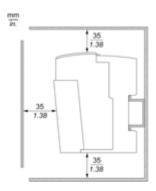


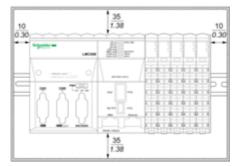
TM5SBER2

Mounting and Clearance

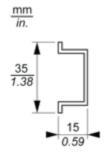
TM5 System

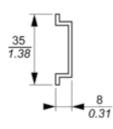
Spacing Requirements

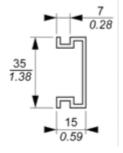




Mounting on a DIN Rail







Product data sheet

TM5SBER2

Connections and Schema

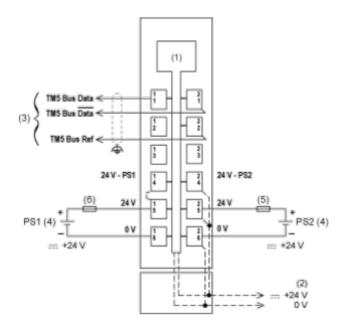
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in.	0.35		==	~D=	æ>-
	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

Receiver 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)
- (4) PS1/PS2: External isolated SELV power supply 24 Vdc limited to 200 VA for UL508 conformance, or limited to 150 VA for CSA 22.2, N° 142 conformance
- (5) External fuse, Type T slow-blow: 10 A max., 250 V
- (6) External fuse, Type T slow-blow: 1 A, 250 V