

TM221M16R

Schneider Electric TM221M16R - Modicon M221 16 I/O Relay Logic Controller

BRAND	ORDER CODE / PRODUCT REFERENCE
Schneider Electric	TM221M16R
PRODUCT FAMILY	CATEGORY
Modicon M221	Logic controller
SUPPLY BASIS	RECORD IDENTITY
RFQ / on request - no stock claim	Catalog identity matched

PRODUCT DESCRIPTION

The Schneider Electric Modicon M221 Logic Controller, part number TM221M16R, is a compact and efficient machine controller designed for OEM machines and small plant automation. This versatile controller operates on a 24 V DC supply and features 8 discrete inputs conforming to IEC 61131-2 Type 1, alongside 2 analogue inputs (0-10 V). For outputs, it provides 8 normally open relay outputs, capable of switching 2 A at voltages from 5-125 V DC or 5-250 V AC, making it suitable for a wide range of control applications. The TM221M16R supports expandability with up to 14 remote I/O expansion modules, offering flexibility for growing automation needs. Communication options include a USB port and two non-isolated serial links (RS485, RS232/RS485) supporting Modbus master/slave protocols. With 256 kB of memory for user applications and data, it is a robust solution for industries in Egypt and the Gulf, such as water treatment, cement, oil and gas, food and beverage, and textiles, ensuring reliable process control and data acquisition. Contact us to request a quote for your specific project requirements.

RECORDED SPECIFICATIONS

Product weight	0.264 kg
Memory capacity	256 kB for user application and data RAM
Dimensions (HxWxD)	90 mm x 70 mm x 70 mm
Official lifecycle	Current official manufacturer lifecycle evidence
Discrete I/O number	16
Discrete output type	Relay normally open
Analogue input number	2 at 0...10 V
Discrete input number	8
Discrete output number	8 relay
Discrete output current	2 A

ADDITIONAL SPECIFICATIONS

Discrete output voltage	5...125 V DC, 5...250 V AC
IP degree of protection	IP20 with protective cover in place
Manufacturer part number	TM221M16R
[Us] rated supply voltage	24 V DC
Integrated connection type	
Communication port protocol	
Ambient air temperature for operation	-10?55 °C (horizontal installation)
Maximum number of I/O expansion module	7 (local I/O-Architecture), 14 (remote I/O-Architecture)

MANUFACTURER DOCUMENTATION

No manufacturer document is linked because exact-SKU or compatible-family evidence has not been recorded.

Document status: This is an InduMarket product specification summary, not a manufacturer-issued datasheet. It is generated from the catalog record for the exact part number. Any linked manufacturer document passed the SKU-compatibility evidence gate. Confirm ratings, compatibility, certifications and any successor reference before ordering.