

Product designation				Time relay
Product type designation				TMM2
Number of DIN modules				1
General characteristics				
Description				Multifunction time relay, multiscale and multivoltage, 2 relay outputs
Function				Multifunction
Supply circuit				
Rated auxiliary supply voltage U_s	AC	min	VAC	12
		Max	VAC	240
	DC	min	VDC	12
		Max	VDC	240
Rated frequency			Hz	50/60
Operating voltage range				0.85...1.1 U_s
Maximum power consumption / dissipation			W	1.1VA/0.8W (12...48VAC/DC), 1.8VA/1.2W (110...240VAC/DC)
Immunity time for microbreakings			ms	≤15
Timing circuit				
Time setting range				Multiscale 0.1...1s / 1...10s / 6...60s / 1...10min / 6min...1h / 1...10h / 0.1...1day / 1...10days / ON only / OFF only
Setting accuracy			%	<±9
Repeat accuracy			%	<±0.2
Influence of voltage variation			%	<±0.1
Influence of temperature variation			%	<±0.2
External command input	Minimum ON time		ms	25
	Connenction time			permanent
Resetting time	During timing		ms	≥100
	Elapsed time		ms	≥50
Relay outputs				
Number of relays				Nr. 2
Contact arrangement				1 inst./delayed N/O + 1 delayed C/O
Maximum switching voltage			VAC	250
IEC Conventional free air thermal current I_{th}			A	8
UL/CSA and IEC/EN 60947-5-1 designation				B300
Insulation (input-output)				
Rated insulation voltage U_i			V	250

Rated impulse withstand voltage Uimp		kV	4
Power frequency withstand voltage		kV	2
Connections			
Terminals type			Screw
Tightening torque (Max)			
	Tightening torque Max	Nm	0.8
	Tightening torque Max	lbin	7 / 7...9 UL
Conductor section			
	AWG/Kcmil		
		min	24...12
		max	12...18
	IEC		
		min	mm ² 0.2
		max	mm ² 4
Operations			
Mechanical life		cycles	30000000
Electrical life (with rated load)		cycles	100000
Ambient conditions			
Temperature			
	Operating temperature		
		min	°C -20
		max	°C +60
	Storage temperature		
		min	°C -30
		max	°C +80
Relative humidity		%	<90%
Maximum Pollution degree			2
Overvoltage category			III
Housing			
Execution (n° of modules)			1
Material			Self-extinguishing polyamide
Mounting			DIN rail 35 mm
Degree of protection			IP40 on front, IP20 terminals
Dimensions (W x H x D)		mm	17.5 x 104.7 x 64.9
Weight		g	94
Dimensions			
Wiring diagrams			
Certifications and compliance			
Compliance			
	CSA C22.2 n°14		
	IEC/EN 61812-1		
	UL508		
Certificates			
	cULus		
	EAC		
ETIM classification			
ETIM 8.0			EC001439 - Timer relay