TIME RELAY, MULTIFUNCTION, MULTIVOLTAGE AND MULTISCALE, PLUG-IN AND FLUSH-MOUNT VERSION 48X48MM, 24...240VAC/DC



			And the second
Product designation			Time relay
Product type designation			L48M
General characteristics			
			Multifunction time
Description			relay, multiscale
			and multivoltage
Function			Multifunction
Supply circuit			
Rated auxiliary supply voltage Us			24240VAC/DC
Rated auxiliary supply voltage Us			
AC			
	min	VAC	24
	Max	VAC	240
DC			
	min	VDC	24
	Max	VDC	240
Rated frequency		Hz	50/60
Operating voltage range		1 12	0.851.1 Us
Maximum power consumption / dissipation		W	6VA
Immunity time for microbreakings		ms	≤40
Timing circuit		1113	<u> </u>
Time setting range			0.05min10h
Setting accuracy		%	±5
		%	±0.5
Repeat accuracy		%	±0.5
Influence of voltage variation		70	±0.5
Resetting time	D. der Gertei		> 400
	During timing	ms	≥100 >05
	Elapsed time	ms	≥65
Relay outputs			
Number of relays		Nr.	2
Contact arrangement			2 delayed C/O
Maximum switching voltage		VAC	250
IEC Conventional free air thermal current Ith		Α	5
UL/CSA and IEC/EN 60947-5-1 designation			B300
Insulation (input-output)			
Rated insulation voltage Ui		V	250
Power frequency withstand voltage		kV	2
Operations			
Mechanical life		cycles	30000000
Electrical life (with rated load)		cycles	100000
Ambient conditions			
Temperature			
Operating temperature			

Operating temperature

min °C -10 max °C +60



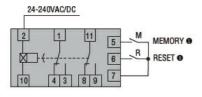
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	Storage temperature			
		min	°C	-30
		max	°C	+80
Housing				
Material				Self-extinguishing polyamide
Mounting				Plug-in housing with 11-pin socket
Degree of protection				IP40 on front,
				IP20 terminals
Dimensions (W x H x D	0)		mm	48 x 48 x 90
Weight	·		g	135
Dimensions [mm (in)]				

48 76 14 -(0.55") (1.89)(2.99")00 00 3.5 (0.14")

45 (1.77")

Wiring diagrams



- T (preset time) = T1+T2
 Contacts "M" and "R" are to be volt free (dry).

Certifications and compliance

Compliance

CSA C22.2 n°14 IEC/EN 61812-1

UL508

Certificates

cURus EAC

ETIM classification

ETIM 8.0

EC001439 -Timer relay