**ENERGY AND AUTOMATION** 

## RECYCLE TIME RELAY, INDEPENDENT TIMINGS, MULTISCALE, MULTIVOLTAGE, MODULAR VERSION, 12...240VAC/DC

Product designation         Time relay           Product type designation         1           Number of DIN modules         8         1           Ceneral characteristics         Recycle time relay with independent timings, multivoltage and multivoltage and multivoltage and multivoltage and multivoltage with independent timings.         Recycle time relay with independent timings.           Function         Recycle time relay with independent timings.           Supply circuit         Recycle time relay with independent timings.           Rated auxiliary supply voltage Us         12240VAC/DC           Rated auxiliary supply voltage Us         Time.           AC         Max         VAC         240           DC         min         VAC         240           DC         min         VDC         240           Rated frequency         Max         VDC         240           Departing voltage range         US         0.60 VAO.33W         (1.0					
Product type designation   Number of DIN modules   1   1   1   1   1   1   1   1   1	Product designation			Time relay	
Number of DIN modules				•	
Description					
Description   Recycle time relay with independent timings, multiscale and multivoltage   Recycle time relay with independent timings, multiscale and multivoltage   Recycle time relay with independent timings   Recycle time relay with independent timings   Recycle time relay with independent timings   Rated auxiliary supply voltage Us   Rated frequency   Poc   240   Poc   Po					
Function         relay with independent timings           Supply circuit         Table dauxiliary supply voltage Us         12240VAC/DC           Rated auxiliary supply voltage Us         Table dauxiliary supply voltage Us         Table dauxiliary supply voltage Us           AC         min         VAC         12240VAC/DC           Max         VAC         12240VAC/DC           Rated frequency         Min         VDC         12240VAC/DC         2240VAC/DC         2240VAC/DC <th cols<="" td=""><td></td><td></td><td></td><td>relay with independent timings, multiscale and multivoltage</td></th>	<td></td> <td></td> <td></td> <td>relay with independent timings, multiscale and multivoltage</td>				relay with independent timings, multiscale and multivoltage
Rated auxiliary supply voltage Us	Function			relay with independent	
Rated auxiliary supply voltage Us           AC         min vAC Max         VAC v	Supply circuit				
Rated auxiliary supply voltage Us           AC         min vAC Max         VAC v				12240VAC/DC	
Max   VAC   12   Max   VAC   240   DC					
Max   VAC   240	, , , , ,				
Max   VAC   240		min	VAC	12	
DC					
Rated frequency         Hz         50/60           Operating voltage range         0.851.1 Us           Maximum power consumption / dissipation         V         0.60√A/0.3W (1248VAC/DC), 1.6VA/1.2W (110240VAC/DC)           Immunity time for microbreakings         ms         ≤25           Timing circuit         0.1s100days           Setting accuracy         %         <±9	DC				
Rated frequency         Max         VDC         240           Rated frequency         Hz         50/60           Operating voltage range         0.851.1 Us           Maximum power consumption / dissipation         0.6VA/0.3W           Maximum power consumption / dissipation         w         (1248VAC/DC), 1.6VA/1.2W           Immunity time for microbreakings         ms         ≤25           Immunity setting range         0.1s100days           Setting accuracy         %         <±9		min	VDC	12	
Rated frequency         Hz         50/60           Operating voltage range         0.851.1 Us           Maximum power consumption / dissipation         0.6VA/0.3W           Maximum power consumption / dissipation         (1248VAC/DC), 1.6VA/1.2W           Immunity time for microbreakings         ms         ≤25           Timing circuit         Time setting range         0.1s100days           Setting accuracy         %         <±9					
Operating voltage range         0.851.1 Us           Maximum power consumption / dissipation         0.6VA/0.3W           Maximum power consumption / dissipation         (1248VAC/DC), 1.6VA/1.2W           Immunity time for microbreakings         ms         ≤25           Timing circuit           Time setting range         0.1s100days           Setting accuracy         %         <±9	Rated frequency	·			
Maximum power consumption / dissipation       0.6VA/0.3W (1248VAC/DC), 1.6VA/1.2W (110240VAC/DC)         Immunity time for microbreakings       ms ≤25         Timing circuit         Time setting range       0.1s100days         Setting accuracy       % ≤±9         Repeat accuracy       % ≤±0.2         Influence of voltage variation       % <±0.1			1 12		
Maximum power consumption / dissipation         W         (1248VAC/DC), 1.6VA/1.2W (110240VAC/DC)           Immunity time for microbreakings         ms         ≤25           Timing circuit           Time setting range         0.1s100days           Setting accuracy         %         ≤±9           Repeat accuracy         %         ≤±0.2           Influence of voltage variation         %         ≤±0.1           Influence of temperature variation         %         ≤±0.2           External command input         ms         25           Connenction time         permanent           Resetting time         During timing Elapsed time         ms         ≥100           Relay outputs         Nr.         1           Number of relays         Nr.         1           Contact arrangement         1 delayed	Operating voltage range				
Time setting range 0.1s100days  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 ms 25  Connenction time ms ≥100  Elapsed time ms ≥50  Relay outputs  Number of relays  Nr. 1  Contact arrangement	Maximum power consumption / dissipation		W	(1248VAC/DC),	
Time setting range         0.1s100days           Setting accuracy         %         <±9	Immunity time for microbreakings		ms	≤25	
Setting accuracy         %         <±9	Timing circuit				
Setting accuracy         %         <±9	Time setting range			0.1s100days	
Repeat accuracy  Influence of voltage variation  Influence of temperature variation  External command input  Minimum ON time ms 25 Connenction time  Puring timing ms ≥100 Elapsed time ms ≥50  Relay outputs  Number of relays  Number of relays  Number of relays  Contact arrangement  ** *\dot \dot \dot \dot \dot \dot \dot \dot			%		
Influence of voltage variation  Influence of temperature variation  External command input  Minimum ON time ms 25 Connenction time  During timing ms ≥100 Elapsed time  Resetting time  Relay outputs  Number of relays  Number of relays  Contact arrangement  Number of voltage variation  % <±0.1  Minimum ON time ms 25 permanent  During timing ms ≥100 Elapsed time ms ≥50  Nr. 1  1 delayed	Repeat accuracy		%	<±0.2	
Influence of temperature variation  External command input  Minimum ON time ms 25 Connenction time  During timing ms ≥100 Elapsed time ms ≥50  Relay outputs  Number of relays  Contact arrangement  N= -±0.2  Minimum ON time ms 25 permanent  Elapsed time ms ≥100 Elapsed time ms ≥50  Nr. 1  1 delayed			%	<±0.1	
External command input  Minimum ON time ms 25 Connenction time ms 25 permanent  Permanent  During timing ms ≥100 Elapsed time ms ≥50  Relay outputs  Number of relays  Nr. 1  Contact arrangement					
Minimum ON time ms 25 Connenction time permanent  Resetting time  During timing ms ≥100 Elapsed time ms ≥50  Relay outputs  Number of relays  Nr. 1  Contact arrangement  Minimum ON time ms 25 permanent  During timing ms ≥100 Elapsed time ms ≥50  1 delayed	· · · · · · · · · · · · · · · · · · ·				
During timing ms ≥100 Elapsed time ms ≥50  Relay outputs  Number of relays  Contact arrangement  During timing ms ≥100  Rs ≥50  1 delayed			ms		
Relay outputs   Number of relays Nr. 1   Contact arrangement 1 delayed	Resetting time				
Relay outputs  Number of relays  Nr. 1  Contact arrangement  1 delayed			ms		
Number of relays  Nr. 1  Contact arrangement  1 delayed		Elapsed time	ms	≥50	
Contact arrangement 1 delayed					
Contact attangement	Number of relays		Nr.		
	Contact arrangement			-	

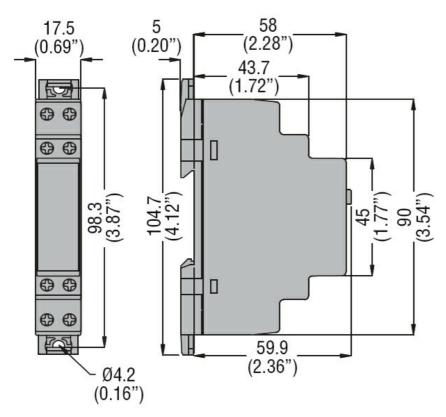


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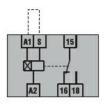
## RECYCLE TIME RELAY, INDEPENDENT TIMINGS, MULTISCALE, MULTIVOLTAGE, MODULAR VERSION, 12...240VAC/DC

Maximum switching vo	Itage		VAC	250
IEC Conventional free			Α	8
UL/CSA and IEC/EN 6				B300
Insulation (input-output				
Rated insulation voltag	•		V	250
Rated impulse withstar			kV	4
Power frequency withs	·		kV	2
Connections				
Terminals type				Screw
Tightening torque (Max	()			
3 4 3 4 4 ( 4	,	Tightening torque Max	Nm	0.8
		Tightening torque Max	lbin	7 / 79 UL
Conductor section		3 44 3 44	-	
	AWG/Kcmil			
		min		2412
		max		1218
	IEC	11.00.2		
		min	mm²	0.2
		max	mm²	4
Operations		· · · · · · · · · · · · · · · · · · ·		
Mechanical life			cycles	30000000
Electrical life (with rate	d load)		cycles	100000
	a .caa,		0,0.00	
Ambient conditions				
Ambient conditions Temperature				
Ambient conditions Temperature	Operating temperature			
	Operating temperature	min	°C	-20
	Operating temperature	min max	°C °C	-20 +60
		min max	°C °C	-20 +60
	Operating temperature  Storage temperature	max	°C	+60
		max min	°C	+60 -30
Temperature		max	°C °C	+60 -30 +80
Temperature  Relative humidity	Storage temperature	max min	°C	+60 -30 +80 <90%
Relative humidity  Maximum Pollution de	Storage temperature	max min	°C °C	+60 -30 +80 <90% 2
Relative humidity  Maximum Pollution ded  Overvoltage category	Storage temperature	max min	°C °C	+60 -30 +80 <90%
Relative humidity Maximum Pollution der Overvoltage category Housing	Storage temperature gree	max min	°C °C	+60 -30 +80 <90% 2
Relative humidity Maximum Pollution der Overvoltage category Housing Execution (n° of modu	Storage temperature gree	max min	°C °C	+60  -30 +80 <90% 2
Relative humidity Maximum Pollution der Overvoltage category Housing Execution (n° of modu	Storage temperature gree	max min	°C °C	+60  -30 +80 <90% 2 III  1 Self-extinguishing polyamide
Relative humidity Maximum Pollution der Overvoltage category Housing Execution (n° of modu	Storage temperature gree	max min	°C °C	+60  -30 +80 <90% 2 III  1 Self-extinguishing polyamide DIN rail 35 mm
Relative humidity Maximum Pollution der Overvoltage category Housing Execution (n° of modu	Storage temperature gree	max min	°C °C	+60  -30 +80 <90% 2 III  1 Self-extinguishing polyamide
Relative humidity Maximum Pollution de Overvoltage category Housing Execution (n° of modu Material Mounting	Storage temperature  gree	max min	°C °C	+60  -30 +80 <90% 2 III  1 Self-extinguishing polyamide DIN rail 35 mm IP40 on front,
Relative humidity Maximum Pollution decovervoltage category Housing Execution (n° of moduly Material Mounting Degree of protection	Storage temperature  gree	max min	°C °C °C	-30 +80 <90% 2 III  1 Self-extinguishing polyamide DIN rail 35 mm IP40 on front, IP20 terminals 17.5 x 104.7 x

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## 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