ENERGY AND AUTOMATION

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

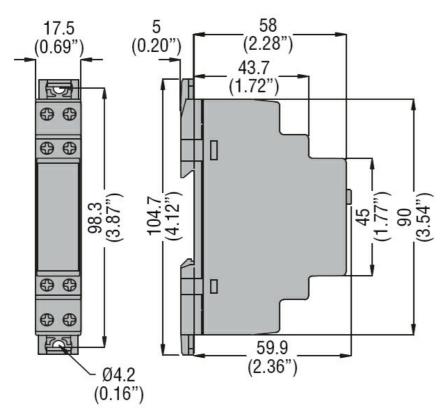
Product designation Time relay Product type designation 1 Number of DIN modules 8 1 Ceneral characteristics Recycle time relay with independent timings, multivoltage and multivoltage and multivoltage and multivoltage and multivoltage with independent timings. Recycle time relay with independent timings. 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 min VAC 12 Max VAC 240 DC min VAC 240 Rated frequency min VBC 12 Query Max VBC 240 Poperating voltage range 0.6.0VA/0.3W 14 Maximum power consumption / dissipation WB 1.6.0VA/0.3W 14 Maximum power consumption / dissipation WB 1.6.0VA/0.3W 14 Immunity time for microbreakings ms x50 1.6.0VA/0.3W Time sett				
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 Table dauxiliary supply voltage Use Max VAC 12240VAC/DC AC min VAC 12240VAC/DC 2240VAC/DC				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 0.6VA/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 Immunity time for microbreakings ms ≤25 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				
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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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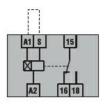
RECYCLE TIME RELAY, INDEPENDENT TIMINGS, MULTISCALE, MULTIVOLTAGE, MODULAR VERSION, 12...240VAC/DC

Maximum switching vo	Itage		VAC	250
IEC Conventional free			Α	8
UL/CSA and IEC/EN 6				B300
Insulation (input-output	<u> </u>			
Rated insulation voltag	,		V	250
Rated impulse withstar			kV	4
Power frequency withs	·		kV	2
Connections				
Terminals type				Screw
Tightening torque (Max	()			
	,	Tightening torque Max	Nm	0.8
		Tightening torque Max	lbin	7 / 79 UL
Conductor section		3 10 3 10 10	-	
	AWG/Kcmil			
	7.1.7.6,7.1.61	min		2412
		max		1218
	IEC			
		min	mm²	0.2
		max	mm²	4
Operations				
Mechanical life			cycles	30000000
Electrical life (with rate	d load)		cycles	100000
Ambient conditions				
Ambient conditions Temperature	,			
Ambient conditions Temperature				
	Operating temperature	min		
		min max	°C	-20
	Operating temperature	min max		
		max	°C °C	-20 +60
	Operating temperature		°C	-20
Temperature	Operating temperature	max min	°C °C °C	-20 +60 -30 +80
Temperature Relative humidity	Operating temperature Storage temperature	max min	°C °C	-20 +60 -30 +80 <90%
Relative humidity Maximum Pollution de	Operating temperature Storage temperature	max min	°C °C °C	-20 +60 -30 +80 <90% 2
Relative humidity Maximum Pollution deg Overvoltage category	Operating temperature Storage temperature	max min	°C °C °C	-20 +60 -30 +80 <90%
Relative humidity Maximum Pollution de	Operating temperature Storage temperature gree	max min	°C °C °C	-20 +60 -30 +80 <90% 2
Relative humidity Maximum Pollution der Overvoltage category Housing Execution (n° of modu	Operating temperature Storage temperature gree	max min	°C °C °C	-20 +60 -30 +80 <90% 2 III
Relative humidity Maximum Pollution der Overvoltage category Housing Execution (n° of modu	Operating temperature Storage temperature gree	max min	°C °C °C	-20 +60 -30 +80 <90% 2 III 1 Self-extinguishing polyamide
Relative humidity Maximum Pollution der Overvoltage category Housing Execution (n° of modu	Operating temperature Storage temperature gree	max min	°C °C °C	-20 +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	Operating temperature Storage temperature gree	max min	°C °C °C	-20 +60 -30 +80 <90% 2 III 1 Self-extinguishing polyamide
Relative humidity Maximum Pollution de Overvoltage category Housing Execution (n° of modu Material Mounting	Operating temperature Storage temperature gree	max min	°C °C °C	-20 +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	Operating temperature Storage temperature gree	max min	°C °C °C %	-20 +60 -30 +80 <90% 2 III 1 Self-extinguishing polyamide DIN rail 35 mm IP40 on front, IP20 terminals 17.5 x 104.7 x

ENERGY AND AUTOMATION



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