



# ČASOVÉ RELÉ ZPOŽDĚNÍ. MULTIROZSAHOVÉ. A MULTINAPĚŤOVÉ, ZÁSUVNÉ A ZAPUŠTĚNÉ PROVEDENÍ 48X48MM, 24VDC, 110VAC, 220...240VAC



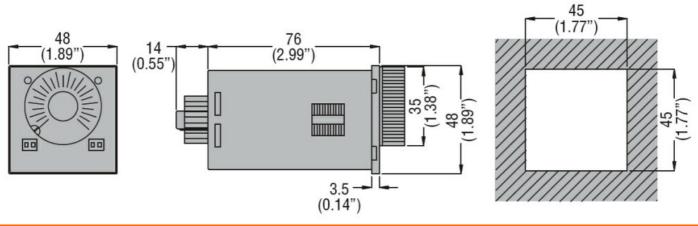
Product designation         Time relay L48TP           Ceneral characteristics         Condeal prime relay           Description         On delay time relay in multiscale, plug-in version?           Function         SUPPLY SETTION TO METERS AND TO METE				
Product type designation   Ceneral characteristics	Product designation			Time relay
Description	· · · · · · · · · · · · · · · · · · ·			
Description   Section   Description   Desc	, , <u> </u>			LTOTT
Description   Punction   Puncti	Control on anatomotion			On delay time
Punction   Punction				
Punction	Description			
Function         Con delay           Supply circuit           Rated auxiliary supply voltage Us         24VAC/DC; 110VAC; 220 240VAC           Rated frequency         Hz         50/60           Operating voltage range         W         6VA           Maximum power consumption / dissipation         W         6VA           Immunity time for microbreakings         ms         ≤40           Timing circuit         ***         18s780min           Time setting range         \$         ±0.5           Repeat accuracy         %         ±0.5           Repeat accuracy         %         ±0.5           Influence of voltage variation         %         ±0.5           Resetting time         During timing ms         ≥100           Resetting time         ms         ≥60           Relay outputs         **         ±0.5           Relay outputs         Nr. 1         1           Number of relays         Nr. 1         1 delayed C/O           Maximum switching voltage         V. 2.50           IEC Conventional free air thermal current lth         A         5           UL/CSA and IEC/EN 60947-5-1 designation         V         250           Power frequency wi				
Supply circuit	Function			
Rated auxiliary supply voltage Us         24VAC/DC; 110VAC; 22				Officelay
Rated frequency         110VAC; 220           Operating voltage range         50/60           Maximum power consumption / dissipation         W         60/8           Immunity time for microbreakings         ms         \$40           Immunity time for microbreakings         ms         \$18780min           Setting accuracy         %         \$5           Repeat accuracy         %         \$0.5           Influence of voltage variation         ms         \$10.0           Resetting time         ms         \$10.0           Resetting time         ms         \$10.0           Resetting time         ms         \$10.0           Relay outputs         Nr.         1           Relay outputs         Nr.         1           Number of relays         Nr.         1           Contact arrangement         nt         nt         \$10.0	Supply circuit			24\/AC/DC:
Rated frequency	Poted auxilians aumply voltage Us			
Rated frequency         Hz         50/60           Operating voltage range         0.851.1 Us           Maximum power consumption / dissipation         ms         <40	Rated auxiliary supply voltage US			
Operating voltage range         0.851.1 Us           Maximum power consumption / dissipation         W 6VA           Immunity time for microbreakings         ms ≤40           Timing circuit         Timing circuit           Time setting range         18s780min           Setting accuracy         % ±5           Repeat accuracy         % ±0.5           Influence of voltage variation         % ±0.5           Resetting time         During timing Elapsed time         ms ≥100           Resetting time         Nr. 1         1 delayed C/O           Relay outputs         Nr. 1         1 delayed C/O           Maximum switching voltage         VAC 250         1 delayed C/O           IEC Conventional free air thermal current lth         A 5         300           Insulation (input-output)         B300         300           Insulation (input-output)         B300         300           Rated insulation voltage Ui         V 250         250           Power frequency withstand voltage         kV 2         20           Perations         We can be a feasing temperature         Image: Conditions         100000           Temperature         Image: Conditions         Contact arrangement         Image: Conditions         Contact arrangement         C	Data diference		11-	
Maximum power consumption / dissipation         W         6VA           Immunity time for microbreakings         ms         ≤40           Timing circuit         Timing circuit           Time setting range         18s780min           Setting accuracy         %         ±5           Repeat accuracy         %         ±0.5           Influence of voltage variation         %         ±0.5           Resetting time         ms         ≥100           Resetting time         ms         ≥65           Resetting time         ms         ≥65           Resetting time         ms         ≥100           Number of relays         Nr.         1           Contact arrangement         1 delayed C/O           Maximum switching voltage         VAC         250           IEC Conventional free air thermal current lth         A         5           UL/CSA and IEC/EN 60947-5-1 designation         B300         B300           Insulation (input-output)         V         250           Rated insulation voltage Ui         V         250           Power frequency withstand voltage         kV         2           Operations         ms         *C         -10			HZ	
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During timing   ms   ≥100     Elapsed time   ms   ≥65     Relay outputs			%	±0.5
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Relay outputs           Number of relays         Nr.         1           Contact arrangement         1 delayed C/O           Maximum switching voltage         VAC         250           IEC Conventional free air thermal current Ith         A         5           UL/CSA and IEC/EN 60947-5-1 designation         B300           Insulation (input-output)         V         250           Power frequency withstand voltage         kV         2           Operations         V         250           Mechanical life         cycles         30000000           Electrical life (with rated load)         cycles         100000           Ambient conditions           Temperature         min         °C         -10           Mechanical life         cycles         100000         Contact arrangement           Electrical life (with rated load)         cycles         100000         Contact arrangement         Temperature         Temperatur				
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Contact arrangement         1 delayed C/O           Maximum switching voltage         VAC         250           IEC Conventional free air thermal current Ith         A         5           UL/CSA and IEC/EN 60947-5-1 designation         B300           Insulation (input-output)         V         250           Rated insulation voltage Ui         V         250           Power frequency withstand voltage         kV         2           Operations         L         Cycles         30000000           Electrical life (with rated load)         cycles         100000           Ambient conditions         Temperature           Min nam         °C -10 max         -10 max           Storage temperature         min nam         °C -30 max           Min nam         °C -30 max         -30 max           Min nam         °C -30 max         -30 max			Nir	1
Maximum switching voltage         VAC         250           IEC Conventional free air thermal current Ith         A         5           UL/CSA and IEC/EN 60947-5-1 designation         B300           Insulation (input-output)         V         250           Rated insulation voltage Ui         V         2           Power frequency withstand voltage         kV         2           Operations         V         2           Mechanical life         cycles         30000000           Electrical life (with rated load)         cycles         100000           Ambient conditions           Temperature         min         °C         -10           max         °C         +60           Storage temperature         min         °C         -30           max         °C         +80	•		INI.	
EC Conventional free air thermal current Ith	·		1/40	
UL/CSA and IEC/EN 60947-5-1 designation         B300           Insulation (input-output)         V 250           Rated insulation voltage Ui         V 2           Power frequency withstand voltage         kV 2           Operations         S0000000           Mechanical life (with rated load)         cycles 30000000           Ambient conditions         Cycles 100000           Temperature         min °C -10 max °C +60           Storage temperature         min °C -30 max °C +80				
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Power frequency withstand voltage	Insulation (input-output)			
Operations           Mechanical life         cycles         30000000           Electrical life (with rated load)         cycles         100000           Ambient conditions           Temperature         min °C -10 max °C +60           Storage temperature         min °C -30 max °C +80	Rated insulation voltage Ui		V	250
Mechanical life         cycles         30000000           Electrical life (with rated load)         cycles         100000           Ambient conditions           Temperature           Min °C -10 max °C +60           Storage temperature           Min °C -30 max °C +80	Power frequency withstand voltage		kV	2
Electrical life (with rated load)   cycles   100000	Operations			
Ambient conditions           Temperature	Mechanical life		cycles	30000000
Ambient conditions           Temperature	Electrical life (with rated load)		cvcles	100000
Operating temperature	,			
Operating temperature    min °C -10     max °C +60     Storage temperature    min °C -30     max °C +80				
min °C -10 max °C +60  Storage temperature  min °C -30 max °C +80	·			
Storage temperature  max °C +60  min °C -30 max °C +80	oporating temperature	min	°C	-10
Storage temperature  min °C -30  max °C +80				
min °C -30 max °C +80	Storage temperature	IIIaX	U	1.00
max °C +80	Storage temperature		°C	20
Housing		max	- U	+8U



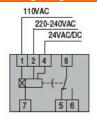
ČASOVÉ RELÉ ZPOŽDĚNÍ. MULTIROZSAHOVÉ. A MULTINAPĚŤOVÉ, ZÁSUVNÉ A ZAPUŠTĚNÉ PROVEDENÍ 48X48MM, 24VDC, 110VAC, 220...240VAC

Material		Self-extinguishing polyamide
Mounting		Plug-in housing with 8-pin socket
Degree of protection		IP40 on front, IP20 terminals
Dimensions (W x H x D)	mm	48 x 48 x 90
Weight	g	124
Dr. Committee of the Co		

## Dimensions



#### Wiring diagrams



### 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