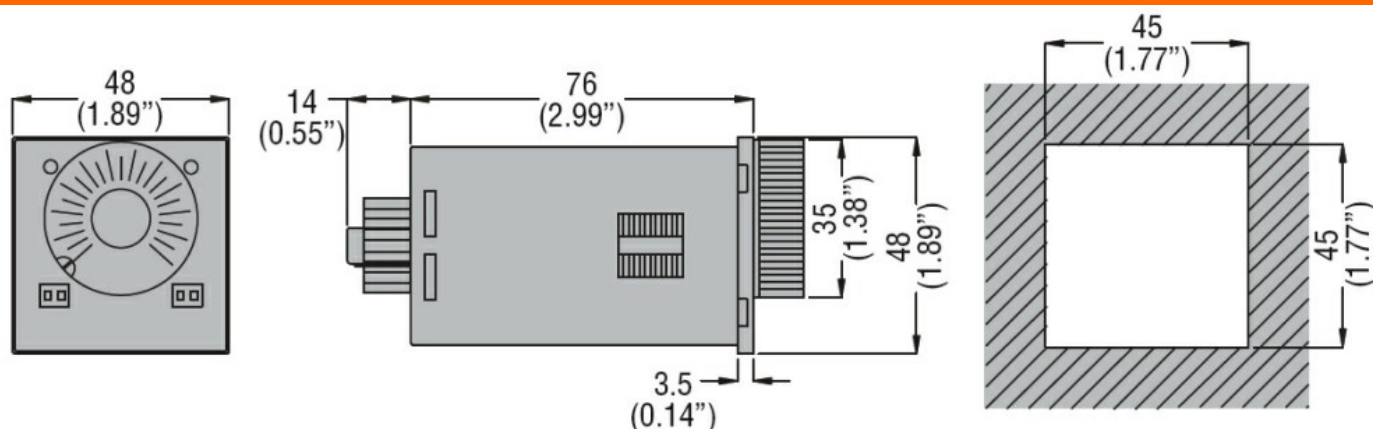




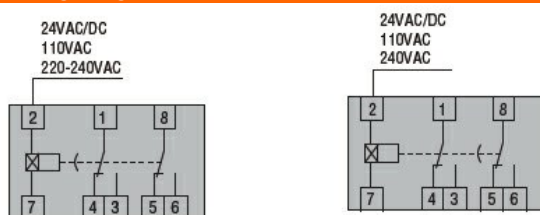
|                                                    |  |    |                                                                   |          |      |
|----------------------------------------------------|--|----|-------------------------------------------------------------------|----------|------|
| Product designation                                |  |    | Time relay                                                        |          |      |
| Product type designation                           |  |    | L48TPB                                                            |          |      |
| General characteristics                            |  |    |                                                                   |          |      |
| Description                                        |  |    | On delay time relay, multiscale and multivoltage, plug-in version |          |      |
| Function                                           |  |    | On delay                                                          |          |      |
| Supply circuit                                     |  |    |                                                                   |          |      |
| Rated auxiliary supply voltage $U_s$               |  |    | 24VAC/DC                                                          |          |      |
| Rated frequency                                    |  | Hz | 50/60                                                             |          |      |
| Operating voltage range                            |  |    | 0.85...1.1 $U_s$                                                  |          |      |
| Maximum power consumption / dissipation            |  | W  | 6VA                                                               |          |      |
| Immunity time for microbreakings                   |  | ms | ≤40                                                               |          |      |
| Timing circuit                                     |  |    |                                                                   |          |      |
| Time setting range                                 |  |    | 0.05s...10min                                                     |          |      |
| Setting accuracy                                   |  | %  | ±5                                                                |          |      |
| Repeat accuracy                                    |  | %  | ±0.5                                                              |          |      |
| Influence of voltage variation                     |  | %  | ±0.5                                                              |          |      |
| Resetting time                                     |  |    | During timing                                                     | ms       | ≥100 |
|                                                    |  |    | Elapsed time                                                      | ms       | ≥65  |
| Relay outputs                                      |  |    |                                                                   |          |      |
| Number of relays                                   |  |    | Nr.                                                               | 2        |      |
| Contact arrangement                                |  |    | 2 delayed C/O or 1 instantaneous C/O + 1 delayed C/O              |          |      |
| Maximum switching voltage                          |  |    | VAC                                                               | 250      |      |
| IEC Conventional free air thermal current $I_{th}$ |  |    | A                                                                 | 5        |      |
| UL/CSA and IEC/EN 60947-5-1 designation            |  |    | B300                                                              |          |      |
| Insulation (input-output)                          |  |    |                                                                   |          |      |
| Rated insulation voltage $U_i$                     |  |    | 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                              |  |    | min                                                               | °C       | -10  |
|                                                    |  |    | max                                                               | °C       | +60  |
| Storage temperature                                |  |    | min                                                               | °C       | -30  |
|                                                    |  |    | max                                                               | °C       | +80  |
| Housing                                            |  |    |                                                                   |          |      |

|                        |                                   |              |
|------------------------|-----------------------------------|--------------|
| 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          |

#### 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