



|                                                    |  |  |                                                                   |          |
|----------------------------------------------------|--|--|-------------------------------------------------------------------|----------|
| 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 $U_s$               |  |  | 220...240VAC                                                      |          |
| Rated auxiliary supply voltage $U_s$<br>AC         |  |  | min                                                               | VAC 220  |
|                                                    |  |  | Max                                                               | VAC 240  |
| 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   |

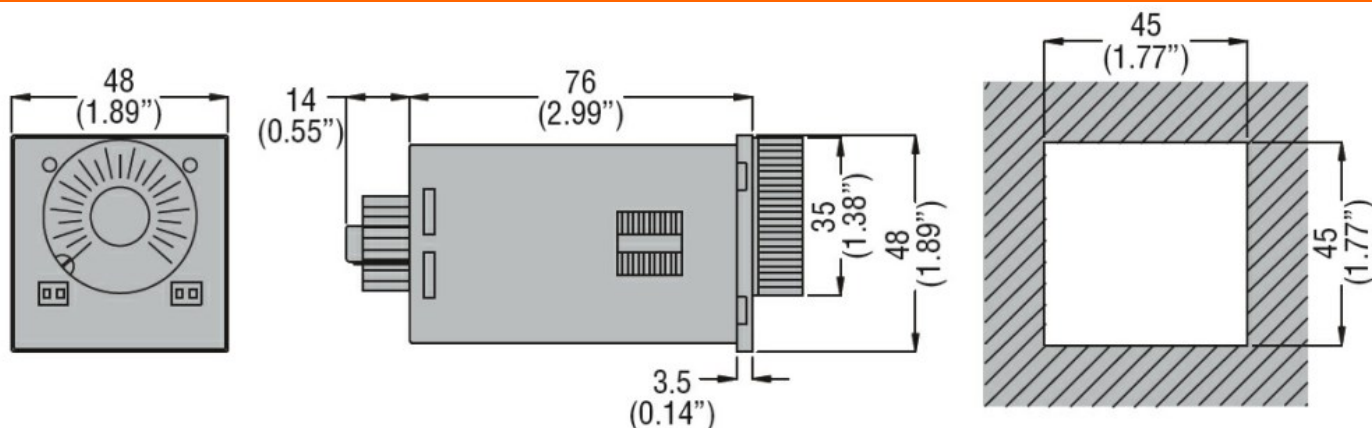
Storage temperature

|     |    |     |
|-----|----|-----|
| min | °C | -30 |
| max | °C | +80 |

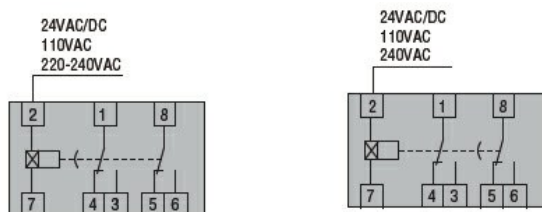
Housing

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