

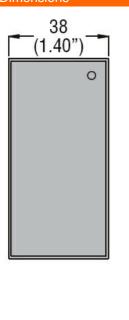
LEVEL MONITORING RELAY, PLUG-IN VERSION, SINGLE-VOLTAGE. AUTOMATIC RESETTING, 24VAC

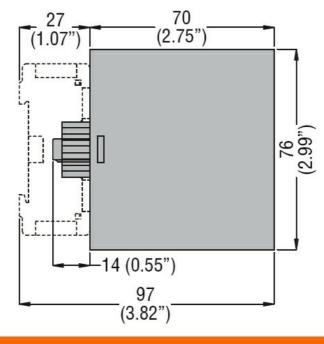
| Product designation | | | | Towards W |
|---|------------------------------------|-----|--------|--|
| Emptying Abxillary supply Abxillary Single voltage Supply voltage Type Abxillary Single voltage Supply Su | | | | relay for emptying function. Single voltage. Plug-in version |
| Supply voltage Type Rated auxiliary supply voltage Us | | | | Emptying |
| Rated auxiliary supply voltage Us AC min VAC 110 Operating voltage range | Auxiliary supply | | | |
| Max | Supply voltage Type | | | Single voltage |
| Deperating voltage range min Max VAC vAC 110 not 120 not 12 | , ,,, | | | |
| Operating voltage range Max VAC 120 Rated frequency Hz 50/60 Power consumption Max VA 5.5 Power dissipation Max W 2.8 Output characteristics Nr. 3 Number of connectable electrodes Nr. 3 Electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar SCM / CGL / PS31 / PS3S or similar Type of electrode voltage 9VAC (voltage between probes) Sensitivity KΩ 78 fixed Trime delay Tripping time \$ ≤0.05 Resetting time \$ ≤0.05 \$ ≤0.01 Relay outputs Nr. 1 Number of relays Nr. 1 Relay state Normally deenergised, energised, energi | AC | | | |
| Operating voltage range 0.851.1 Us Rated frequency Hz 50/60 Power consumption Max W 2.5 Power dissipation Max W 2.8 Output characteristics W 2.8 Number of connectable electrodes Nr. 3 Electrode and electrode and electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar Type of electrode 9VAC (volt. PS31 / PS3S or similar Electrode voltage 9VAC (voltage between probes) Sensitivity kΩ 78 fixed Time delay Voltage between probes Tripping time s ≤ 0.05 Resetting time s ≤ 0.05 Resetting time s ≤ 0.1 Relay outputs Nr. 1 Number of relays Nr. 1 Relay state Nr. 1 Contact arrangement 1 changeover contact C/O-SPDT Rated operational voltage AC (IEC) VAC 220 Maximum switching voltage VAC 380 EleC Conventional free air thermal current Ith A 5 UL/CSA and IEC/EN 60947-5-1 designation Electrical life (with rated load) | | min | VAC | 110 |
| Rated frequency Hz 50/60 Power consumption Max VA 5.5 Power dissipation Max W 2.8 Output characteristics Image: Control of connectable electrodes Nr. 3 Independency Image: Control of electrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar SCM / CGL / PS31 / PS3S or similar Electrode voltage 9VAC (voltage between probes) Sensitivity kΩ 78 fixed Time delay Tripping time s ≤0.05 Resetting time s ≤0.1 Relay outputs Nr. 1 Number of relays Nr. 1 Relay state Nr. 1 Relay state 1 changeover contact Crospiese at tripping at tripping at tripping and tripping at tripping and tripping and tripping at tripping and tripping an | | Max | VAC | 120 |
| Power consumption Max VA 5.5 Power dissipation Max W 2.8 Output characteristics | Operating voltage range | | | 0.851.1 Us |
| Power dissipation Max W 2.8 Output characteristics Nr. 3 Number of connectable electrodes Nr. 3 Ejectrode and electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar SCM / CGL / PS31 / PS3S or similar Ejectrode voltage 9VAC (voltage between probes) Sensitivity kΩ 76 fixed Time delay Tripping time s ≤0.05 ≤0.05 Resetting time s ≤0.01 Nr. 1 Relay outputs Nr. 1 Normally denergised, energised, energised, energises at tripping 1 changeover contact C/O-SPDT Contact arrangement 1 changeover contact C/O-SPDT SPDT Rated operational voltage AC (IEC) VAC 220 Maximum switching voltage VAC 380 IEC Conventional free air thermal current lth A 5 UL/CSA and IEC/EN 60947-5-1 designation B300 Electrical life (with rated load) cycles 2.5 x 10° | Rated frequency | | Hz | 50/60 |
| Output characteristics Nr. 3 Rumber of connectable electrodes Nr. 3 Type of electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar Electrode voltage 9VAC (voltage between probes) Sensitivity kΩ 78 fixed Time delay Tripping time s ≤0.05 Resetting time s ≤0.1 Relay outputs Nr. 1 Number of relays Nr. 1 Relay state energised, energised, energised, energises at tripping 1 changeover contact C/O-SPDT Contact arrangement contact C/O-SPDT Rated operational voltage AC (IEC) VAC 220 Maximum switching voltage VAC 380 IEC Conventional free air thermal current Ith A 5 UL/CSA and IEC/EN 60947-5-1 designation B300 Electrical life (with rated load) cycles 2.5 x 10° | Power consumption Max | | VA | 5.5 |
| Number of connectable electrodes Nr. 3 Type of electrode holders: SN1 / SCM / CGL / PS31 / PS3S or similar Electrode voltage 9VAC (voltage between probes) Sensitivity kΩ 78 fixed Time delay Tripping time Resetting time s ≤0.05 Resetting time s ≤0.1 Relay outputs Nr. 1 Number of relays Nr. 1 Relay state normally deenergised, energised, energised, energised, energised, energised at tripping Contact arrangement 1 changeover contact C/O-SPDT Rated operational voltage AC (IEC) VAC 220 Maximum switching voltage VAC 380 IEC Conventional free air thermal current Ith A 5 UL/CSA and IEC/EN 60947-5-1 designation B300 Electrical life (with rated load) cycles 2.5 x 10⁵ | Power dissipation Max | | W | 2.8 |
| Type of electrode Electrode and electrode holders: SN1 / SCM/CGL / PS31 / PS3S or similar Electrode voltage 9VAC (voltage between probes) Sensitivity kΩ 78 fixed Time delay Tripping time Tripping time s ≤0.05 Resetting time s ≤0.1 Relay outputs Nr. 1 Number of relays Nr. 1 Relay state Normally deenergised, energised, energises at tripping Contact arrangement 1 changeover contact C/O-SPDT Rated operational voltage AC (IEC) VAC Maximum switching voltage VAC IEC Conventional free air thermal current lth A UL/CSA and IEC/EN 60947-5-1 designation B300 Electrical life (with rated load) cycles | Output characteristics | | | |
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| Electrode Voltage between probes) Sensitivity kΩ 78 fixed Time delay Tripping time s ≤0.05 Resetting time s ≤0.1 Relay outputs Nr. 1 Number of relays Nr. 1 Relay state Normally deenergised, energised, energised, energises at tripping Contact arrangement 1 changeover contact C/O-SPDT Rated operational voltage AC (IEC) VAC 220 Maximum switching voltage VAC 380 IEC Conventional free air thermal current lth A 5 UL/CSA and IEC/EN 60947-5-1 designation B300 Electrical life (with rated load) cycles 2.5 x 10⁵ | Type of electrode | | | electrode holders: SN1 / SCM / CGL / PS31 / PS3S or |
| Sensitivity kΩ 78 fixed Time delay Tripping time s ≤0.05 Resetting time s ≤0.1 Relay outputs Number of relays Nr. 1 Relay state Normally deenergised, energises at tripping 1 changeover contact C/O-SPDT Contact arrangement 1 changeover contact C/O-SPDT Rated operational voltage AC (IEC) VAC 220 Maximum switching voltage VAC 380 IEC Conventional free air thermal current Ith A 5 UL/CSA and IEC/EN 60947-5-1 designation B300 Electrical life (with rated load) cycles 2.5 x 10 ⁵ | Electrode voltage | | | |
| Time delay Tripping time s ≤0.05 Resetting time s ≤0.1 Relay outputs Number of relays Number of relays Nr. 1 Relay state Normally deenergised, energises at tripping Contact arrangement 1 changeover contact C/O-SPDT Rated operational voltage AC (IEC) VAC 220 Maximum switching voltage VAC 380 IEC Conventional free air thermal current lth A 5 UL/CSA and IEC/EN 60947-5-1 designation B300 Electrical life (with rated load) cycles 2.5 x 10 ⁵ | Sensitivity | | kΩ | |
| Tripping time s ≤0.05 Resetting time s ≤0.1 Relay outputs Number of relays Nr. 1 Relay state Normally deenergised, energises at tripping tripping Contact arrangement 1 changeover contact C/O-SPDT Rated operational voltage AC (IEC) VAC 220 Maximum switching voltage VAC 380 IEC Conventional free air thermal current lth A 5 UL/CSA and IEC/EN 60947-5-1 designation B300 Electrical life (with rated load) cycles 2.5 x 10 ^s | · | | | |
| Resetting time s ≤0.1 Relay outputs Number of relays Nr. 1 Relay state Normally deenergised, energised, energises at tripping Contact arrangement 1 changeover contact C/O-SPDT Rated operational voltage AC (IEC) VAC 220 Maximum switching voltage VAC 380 IEC Conventional free air thermal current Ith A 5 UL/CSA and IEC/EN 60947-5-1 designation B300 Electrical life (with rated load) cycles 2.5 x 10⁵ | · | | s | ≤0.05 |
| Relay outputsNumber of relaysNr.1Relay stateNormally deenergised, energised, energises at trippingContact arrangement1 changeover contact C/O-SPDTRated operational voltage AC (IEC)VAC220Maximum switching voltageVAC380IEC Conventional free air thermal current IthA5UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles2.5 x 105 | | | S | ≤0.1 |
| Number of relaysNr.1Relay stateNormally deenergised, energised, energises at trippingContact arrangement1 changeover contact C/O-SPDTRated operational voltage AC (IEC)VAC220Maximum switching voltageVAC380IEC Conventional free air thermal current IthA5UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles2.5 x 105 | _ | | | |
| Relay state Relay state Normally deenergised, energises at tripping 1 changeover contact arrangement Contact arrangement Rated operational voltage AC (IEC) Maximum switching voltage VAC 220 Maximum switching voltage VAC 380 IEC Conventional free air thermal current Ith A 5 UL/CSA and IEC/EN 60947-5-1 designation Electrical life (with rated load) Roll operational state of the energised, energised, energised at tripping 1 changeover contact C/O-SPDT A 5 UL/CSA 380 Electrical life (with rated load) Cycles 2.5 x 10 ⁵ | | | Nr. | 1 |
| | | | | energised, energises at |
| Maximum switching voltageVAC380IEC Conventional free air thermal current IthA5UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles2.5 x 10⁵ | Contact arrangement | | | contact C/O- |
| Maximum switching voltageVAC 380 IEC Conventional free air thermal current IthA5UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles 2.5×10^5 | Rated operational voltage AC (IEC) | | VAC | 220 |
| IEC Conventional free air thermal current IthA5UL/CSA and IEC/EN 60947-5-1 designationB300Electrical life (with rated load)cycles2.5 x 10⁵ | | | | |
| UL/CSA and IEC/EN 60947-5-1 designation Electrical life (with rated load) B300 cycles 2.5 x 10⁵ | | | | |
| Electrical life (with rated load) cycles 2.5 x 10 ⁵ | | | | |
| | • | | cycles | |
| | Mechanical life | | cycles | 50x10 ⁶ |

ENERGY AND AUTOMATION

LEVEL MONITORING RELAY, PLUG-IN VERSION, SINGLE-VOLTAGE. AUTOMATIC RESETTING, 24VAC

| Indications | | | |
|---------------------------------------|-----|----|-----------------------------|
| Indication | | | 1 red LED for |
| | | | relay state |
| Connections | | | |
| Terminals type | | | plug-in |
| Insulations | | | |
| Rated insulation voltage Ui | | V | 415 |
| Rated impulse withstand voltage Uimp | | kV | 5 |
| Operating frequency withstand voltage | | kV | 2 |
| Ambient conditions | | | |
| Temperature | | | |
| Operating temperature | | | |
| | min | °C | -20 |
| | max | °C | +60 |
| Storage temperature | | | |
| | min | °C | -30 |
| | max | °C | +80 |
| Housing | | | |
| | | | 8-pin plug-in |
| Execution | | | housing (socket |
| | | | S8) |
| Material | | | Self-extinguishing |
| - | | | polycarbonate |
| | | | 35mm DIN rail |
| Mounting | | | (IEC/EN 60715) |
| | | | or 8-pin plug-in housing |
| IEC degree of protection | | | IP30 |
| Dimensions (W x H x D) | | mm | 38 x 76 x 70 |
| | | mm | 263 |
| Weight Dimensions | | g | 203 |
| | | | |

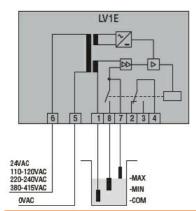




Wiring diagrams

ENERGY AND AUTOMATION

LEVEL MONITORING RELAY, PLUG-IN VERSION, SINGLE-VOLTAGE. AUTOMATIC RESETTING, 24VAC



Certifications and compliance

Compliance

IEC/EN 60255-5

Certificates

EAC

ETIM classification

ETIM 8.0

EC001447 - (Fill) level monitoring relay