ENERGY AND AUTOMATION

RELAIS INVERSEUR DE PRIORITÉ MODUL. (ÉCHANGE UNITÉS TRAVAIL OU SECOURS) 24-48VDC ET 24-240VAC 2NO

| | | ALLES OFF |
|--|--------|---|
| | | |
| | | |
| Product designation | | Start-up priority change relay. Modular version |
| Product type designation | | LVMP05 |
| Function | | Start-up priority change relay |
| Auxiliary supply | | on any |
| Supply voltage Type | | Multi voltage |
| Rated voltage Us | | 24/48VDC or 24240VAC |
| Operating voltage range | | 0.851.1 Us |
| Rated frequency | Hz | 50/60 |
| Power consumption Max | VA | 1.6 |
| Power dissipation Max | W | 0.9 |
| Relay outputs | | |
| Number of relays | Nr. | 2 |
| | | Normally de- |
| Relay state | | energised, |
| · | | energises at |
| | | tripping 2 x 1NO-SPST |
| Contact arrangement | | contact |
| Rated operational voltage AC (IEC) | VAC | 250 |
| IEC Conventional free air thermal current Ith | Α | 8 |
| UL/CSA and IEC/EN 60947-5-1 designation | | B300 |
| Electrical life (with rated load) | cycles | 10 ⁵ |
| Mechanical life | cycles | 30x10 ⁶ |
| Indications | , | |
| Indication | | 1 green LED for power on 1 red LED for relay state |
| 3 detecting electrodes (MIN, MAX and COM) | | No |
| 5 detecting electrodes (MIN1, MAX1, MIN2, MAX2 and COM | | No |
| Sensitivity adjustment 2.550k Ω | | No |
| Sensitivity adjustment 2.5100k Ω | | No |
| Sensitivity adjustment 2.5200k Ω | | No |
| Adjustable sensitivity full-scale value 25-50-100-200 k Ω | | No |
| Separate sensitivity adjustment for MAX probe (foam detection) | | No |
| Emptying function | | No |
| Filling function | | No |
| Emptying function with MIN and/or MAX alarm | | No |
| Filling function with MIN and/or MAX alarm | | No |
| Emptying function with pump priority change | | No |
| Filling function with pump priority change | | No |
| | | - |

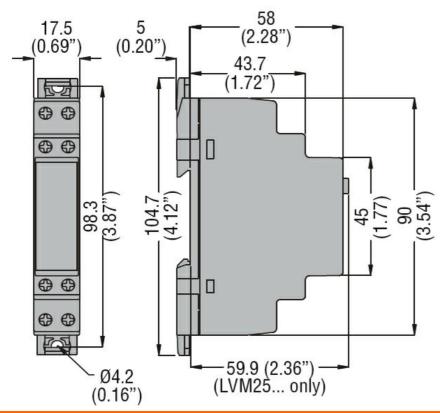


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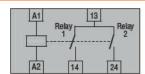
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| Filling-emptying adjustment selector No Programming selector for 5 different No Motor start-up priority change Yes Connections Screw Terminals type max Nm 0.8 Tightening torque for terminals max Nm 0.8 Conductor cross section min AWG 24 AWAX AWG 12 IEC min mm² 0.2 Max mm² 4 Insulations mm² 4 Rated insulation voltage Ui V 250 Rated insulation voltage Uimp kV 4 Operating frequency withstand voltage kV 2 Ambient conditions min °C -20 Temperature min °C -20 Storage temperature min °C -20 Modular DIN rail mounting °C +80 Execution Modular DIN rail mounting (EC/ER) 60715) or yes crews using extractable cilps Modular DIN rail mounting | Tank filling, well drawing and alarm | | | No |
|--|--------------------------------------|-----|-----|---|
| Programming selector for 5 different No Motor start-up priority change Yes Connections Screw Terminals type Screw Tightening torque for terminals max Nm 0.8 MAWG/Kcmil max Nm 0.8 AWG/Kcmil min AWG 24 Max AWG 12 IEC min mm 20 2 Max AWG 12 12 Insulations < | | | | |
| Motor start-up priority change Yes Connections Screw Tightening torque for terminals max Nm 0.8 max Tightening torque for terminals Terminals type Screw Conductor cross section AWG/Kcmil min AWG 24 Max AWG 24 Max AWG 12 IEC Insulations Rated insulation voltage Ui V 250 Rated insulation voltage Uimp kV 4 Operating frequency withstand voltage kV 4 Ambient conditions Temperature min *C -20 Max *C -20 Rated insulation voltage Uimp *KV <td></td> <td></td> <td></td> <td></td> | | | | |
| Connections Terminals type x Screw Tightening torque for terminals max Nm 0.8 max 1bin 7 Conductor cross section min AWG 24 Max AWG 12 IEC min mm² 0.2 Max mm² 4 IEC min mm² 0.2 Max mm² 4 Rated insulation voltage Ui V 250 Rated insulation voltage Uimp kV 4 Operating frequency withstand voltage kV 2 Ambient conditions min °C 20 max °C +60 Storage temperature min °C -20 max °C +60 Housing min °C -30 max °C +60 Execution min °C -30 max °C +60 Modular DIN rail mounting Self-extinguishing polyamide N° of modules 1 Material Self-extinguishing polyamide Mounting Self-extinguishing polyamide IEC degree of protection IP40 on front / IP20 on terminals Dimensions (W x H x D) mn Weight g 9 0 | | | | |
| Terminals type | | | | . 00 |
| Tightening torque for terminals | | | | Screw |
| Max Nm 0.8 max Nm 0.8 max Nm 0.8 max Nm Nm Nm Nm Nm Nm Nm N | | | | |
| Conductor cross section | riginaring tarqua for terminala | max | Nm | 0.8 |
| AWG/Kcmil | | | | |
| AWG/Kcmil AWG | Conductor cross section | | | <u>. </u> |
| Max AWG 24 AWG 12 IEC | | | | |
| TEC | | min | AWG | 24 |
| IEC | | | | |
| Insulations | IEC | | | |
| Insulations Rated insulation voltage Ui V 250 Rated impulse withstand voltage Uimp kV 4 Operating frequency withstand voltage kV 2 Ambient conditions V 2 C Temperature min °C -20 max °C +60 Storage temperature min °C -30 max °C +80 Housing Wodular DIN rail mounting Execution Modular DIN rail mounting N° of modules 1 Material Self-extinguishing polyamide Mounting 35mm DIN rail (IEC/EN 60715) Mounting IP40 on front / IP20 on terminals IEC degree of protection IP40 on front / IP20 on terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9 g 4.9 g Weight g 90 | · · · | min | mm² | 0.2 |
| Nated insulation voltage Uimp | | | | |
| Rated insulation voltage Uimp | Insulations | | | |
| Rated impulse withstand voltage Uimp | | | V | 250 |
| Operating frequency withstand voltage kV 2 Ambient conditions Temperature Temperature Min °C -20 max °C +60 Storage temperature Housing ** Modular DIN rail mounting N° of modules 1 Self-extinguishing polyamide Material Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips Mounting 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IEC degree of protection IP40 on front / IP20 on terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9 Weight g 90 | | | kV | |
| Ambient conditions Temperature Operating temperature | | | | |
| Temperature | | | | |
| Operating temperature min °C -20 max °C +60 | Temperature | | | |
| Min | | | | |
| Storage temperature min °C -30 max °C +80 Housing Execution Modular DIN rail mounting N° of modules 1 Material Material Mounting Mountin | | min | °C | -20 |
| Modular DIN rail mounting N° of modules Self-extinguishing polyamide S5mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals Dimensions (W x H x D) Dimensions (W x H x D) Execution Modular DIN rail mounting Modular DIN rail mounting Self-extinguishing polyamide S5mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals IP40 on front / IP20 on terminals IP40 on front / IP20 on terminals IP40 on front / IP40 | | max | °C | +60 |
| Modular DIN rail mounting N° of modules Self-extinguishing polyamide S5mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals Dimensions (W x H x D) Dimensions (W x H x D) Execution Modular DIN rail mounting Modular DIN rail mounting Self-extinguishing polyamide S5mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals IP40 on front / IP20 on terminals IP40 on front / IP20 on terminals IP40 on front / IP40 | Storage temperature | | | |
| Housing Execution Modular DIN rail mounting N° of modules 1 Material Self-extinguishing polyamide Mounting 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IEC degree of protection IP40 on front / IP20 on terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9 Weight g 90 | , i | min | °C | -30 |
| Execution Modular DIN rail mounting N° of modules 1 Material Self-extinguishing polyamide Jamp DIN rail (IEC/EN 60715) (IEC/EN 60715) Or by screws using extractable clips using extractable clips IEC degree of protection IP40 on front / IP20 on terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9 Weight g 90 | | max | °C | +80 |
| Execution mounting N° of modules 1 Material Self-extinguishing polyamide Amounting 35mm DIN rail (IEC/EN 60715) Mounting or by screws using extractable clips IEC degree of protection IP40 on front / IP20 on terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9 Weight g 90 | Housing | | | |
| N° of modules 1 Material Self-extinguishing polyamide Mounting 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IEC degree of protection IP40 on front / IP20 on terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 64.9 Weight g 90 | Execution | | | Modular DIN rail |
| Material Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IEC degree of protection Dimensions (W x H x D) The strength of the polyamide of protection in the polyamide of the po | LACCUIIOIT | | | mounting |
| Mounting 35mm DIN rail (IEC/EN 60715) or by screws using extractable clips IP40 on front / IP20 on terminals | N° of modules | | | 1 |
| | Material | | | |
| IEC degree of protectionIP40 on front / IP20 on terminalsDimensions (W x H x D)mm $\frac{17.5 \times 104.7 \times 64.9}{64.9}$ Weightg90 | Mounting | | | (IEC/EN 60715) or by screws using extractable |
| Weight 64.9 90 | IEC degree of protection | | | IP40 on front / |
| | Dimensions (W x H x D) | | mm | |
| | Weight | | g | 90 |
| | Dimensions | | | |

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Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN 60255-5

IEC/EN 61000-6-2

IEC/EN 61000-6-3

UL508

Certificates

cULus

EAC

ETIM classification

ETIM 8.0

EC001447 - (Fill) level monitoring relay