$\square$

## STANDARD FAMILY CODE LTCH00602*A01

|  |  |
| :--- | :--- |
| Family Type | LTCH 60 |
| Number / Type of Poles | 2 / NO |
| Connection between Poles | Single - Series - Parallel ${ }^{1}$ |
| Mounting Position | Horizontal - Vertical ${ }^{1}$ |
| Control Voltage Rating Uc (DC) [V] | $24-36-48-72-110^{1}$ |
| Auxiliary Contact Blocks | $2 \times(1$ NO +1 NC) |
| Block Type | SL |
| Arc-chute Material | Ceramic |
| Main Contacts Tips Material | S6 |
| Arcing Contacts Tips Material | - |
| Electric Diagram | - |
| Series Layout Drawing | D54841 |
| Single or Parallel Layout Drawing | D55069 |

[^0]
## Description

Contactor with double interruption in air, electromagnetic control by delayed auxiliary switch plus saving power resistor. Single state functioning.
Reference Standards IEC 60077, IEC 61992 and IEC 60947.


| Minimum clearances [mm] from: |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Rated Operational <br> Voltage | X | Y | Z |  |
| 900 V | Metal Parts | 100 | 100 | 30 |
|  | Plastic Parts | 50 | 50 | 20 |


| Minimum clearances [mm] from: |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Rated Operational <br> Voltage | X | Y | Z |  |
| 1800 V | Metal Parts | 120 | 120 | 50 |
|  | Plastic Parts | 50 | 50 | 20 |



| Mechanical Characteristics |  |  |
| :---: | :---: | :---: |
| Mechanical Endurance | [cycles] | $2 \times 10^{6}$ |
| Shock and Vibrations (IEC 61373) |  | Cat. 1 - Class B |
| Weight | [kg] | 4 |
| Control Circuit |  |  |
| Control Voltage Range | [V] | 0.7Uc $\div 1.25 \mathrm{Uc}$ |
| Power Consumption ( Uc and $\mathrm{T}=20^{\circ} \mathrm{C}$ ) at Pick Up - when Holding | [W] | 85-25 |
| Mechanical Operation Time (Uc and T $=20^{\circ} \mathrm{C}$ ) when Closing-Opening | [ms] | 80-40 |
| Time Constant (L/R) at Pick Up - when Holding | [ms] | 70-125 |
| Electrical Connections |  | Fast-on $6.35 \times 0.8 \mathrm{~mm}$ |
| Auxiliary Contact |  |  |
| Rated Operational Voltage (AC / DC) | [V] | 250 |
| Conventional Free Air Thermal Current at $40^{\circ} \mathrm{C}$ | [A] | 10 |
| Tips Material |  | Silver Alloy <br> (Optional: Golden Plated) |
| Minimum Let-through Current at 24-72-110 VDC ${ }^{5}$ | [mA] | 20(10) - 15(7.5) - $10(5)^{5}$ |
| Electrical Connections |  | Fast-on $6.35 \times 0.8 \mathrm{~mm}$ |
| Environmental Conditions |  |  |
| Stock Temperature Range | $\left[{ }^{\circ} \mathrm{C}\right]$ | $-50 \div+85$ |
| Operational Temperature Range | $\left[{ }^{\circ} \mathrm{C}\right]$ | Tx $(-40 \div+75)^{6}$ |
| Pollution Degree - Overvoltage Category (EN 50124-1) |  | PD3-OV3 |
| Max Altitude without Performance Derating | [m] | 2000 |

[^1]
## Series Layout Drawing



Single or Parallel Layout Drawing


The technical specifications reported are not binding and they should be agreed in the contract.

## For further technical information on our

 products visit www.microelettrica.comMicroelettrica Scientifica S.p.A.
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| (a) KNORR-BREMSE |
| :--- |
| (a) NEW YORK AIR BRAKE |
| (B) IFE |
| (a) MERAK |
| M(d) MICROELETTRICA |

$\frac{\text { PIASTRA DI MONTAGGIO }}{\text { MOUNTNG PLATE }}$


PIASTRA DI MONTAGGIO



[^0]:    ${ }^{1}$ To be specified in order phase.

[^1]:    ${ }^{4}$ Other mounting positions not allowed, reduced distances should be approved by Microelettrica
    ${ }^{5}$ Reference Standard IEC 60947-5-4. Tested in a DRY and CLEAN condition with an LR load. The values with golden plated tips are indicated between brackets. For different working conditions, please contact Miicroelettrica
    ${ }^{6}$ According to IEC 50125-1

