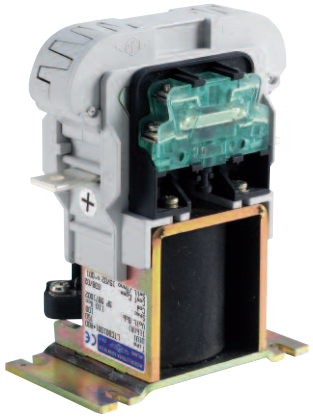


# LTC001001*A00

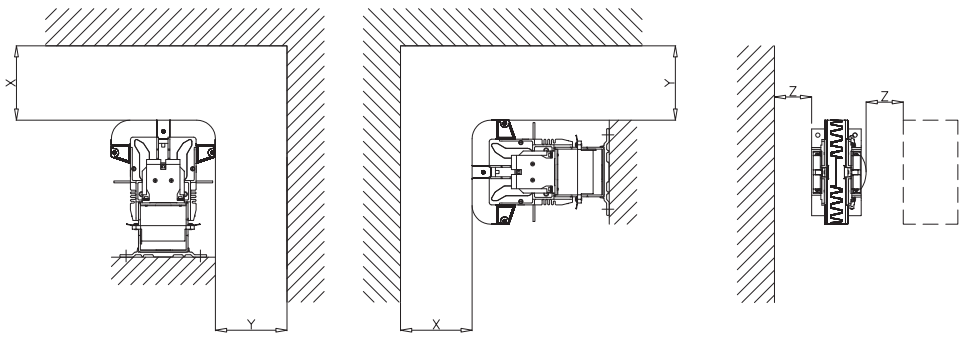
| | |
|---|---|
| Type | LTCS 100 |
| Number of Poles | 1 NO |
| Mounting Position | Horizontal - Vertical |
| Control Voltage Rating [$V_{dc}$] | 14 ÷ 250 |
| Auxiliary Contact Blocks | Max 2 (1 NO + 1 NC) |
| Block Type | SJ |
| Arc chute Material | Polyester Resin |
| Contact tips material | S6 |

**Description**

Contactor with double interruption in air, electromagnetic control by full power coil. Single state functioning.
Reference standard IEC 60077.

| Electrical Characteristics | |
|---|---|
| Rated Operational Voltage [$V_{ac}$ / $V_{dc}$] | 750 |
| Max Operational Voltage [$V_{ac}$ / $V_{dc}$] | 1000 |
| Rated Insulation Voltage [V] | 1000 |
| Conventional Free Air Thermal Current [A] at 75°C | 80 |
| DC-Rated Operational Current (τ=15ms) [A] | |
| 750V | 20 |
| 400V | 40 |
| DC-Maximum Breaking Capacity (τ=15ms) [A] | |
| 750V | 30 |
| 400V | 60 |
| AC-Maximum Breaking Capacity (cosϕ=0,8; 50Hz) [A] | |
| 750V | 40 |
| 400V | 80 |
| Component Category / Operational Frequency Class | A2 / C3 |
| Short Circuit Withstand Capacity for 5ms [kA] | 1.5 |
| Critical Current Range [A] | DC Reverse current |
| Fault Making Capacity [kA] | 0.9 |
| Blow Out Circuit Type | Permanent Magnet |

Minimum clearances
from metal parts [mm]
X = 80; Y = 80 ; Z = 20



# Switches

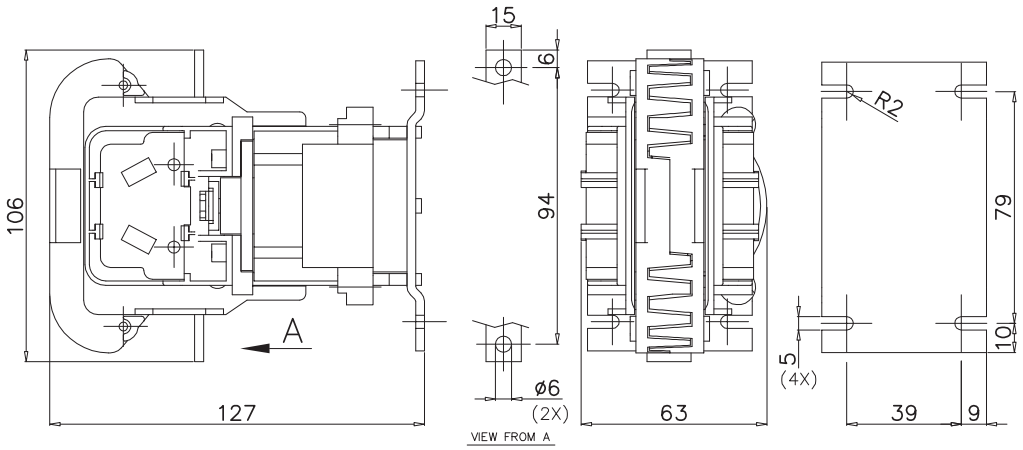
## LTC001001*A00

| Mechanical Characteristics | |
|---|---|
| Mechanical Endurance (cycles) | $2x10^6$ |
| Shock and Vibrations (IEC61373) | Cat.1 - Class B |
| Weight [kg] | 1.1 |

| Control Circuit | |
|---|---|
| Control Voltage Range | $0.7U_c \div 1.25U_c$ |
| Power Consumption ($U_c$ and T = 20°C) at Pick Up - when Holding [W] | 18 -18 |
| Mechanical Operation Time ($U_c$ and T = 20°C) when Closing - Opening [ms] | 40 - 20 |
| Time Constant (L/R) at Pick Up - when Holding [ms] | 25 - 50 |
| Electrical Connections | Fast-On 6.35x0.8mm - Screw M4 |

| Auxiliary Contacts | |
|---|---|
| Tips material | Solid Silver (Gold plating opt) |
| Rated Operational Voltage [$V_{ac}$ / $V_{dc}$] | 250 |
| Rated Current [A] | 10 |
| Minimum Switching Current at 16$V_{dc}$ [mA] | 20 |
| Electrical Connections | Fast-On 6.35x0,8mm - Screw M3 |

| Environmental Conditions | |
|---|---|
| Stock Temperature Range | -50°C ÷ +85°C |
| Operational Temperature Range | -40°C ÷ +75°C |
| Pollution Degree - Overvoltage Category (EN 50124-1) | PD3 - OV3 |
| Max Altitude without Performance Derating [m] | 1500 |




Rev.04 11/2012

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