

Switches



LTHS15002*A01

| Туре | LTHS 1500 |
|------------------------------|-----------------------|
| Number of Poles | 2 NO |
| Mounting Position | Horizontal - Vertical |
| Control Voltage Rating [Vdc] | 24 ÷ 220 |
| Auxiliary Contact Blocks | Max 4 x (1 NO + 1 NC) |
| Block Type* | SL |
| Arc chute Material | Ceramic |
| Contact Tips Material* | S4 - S6 |

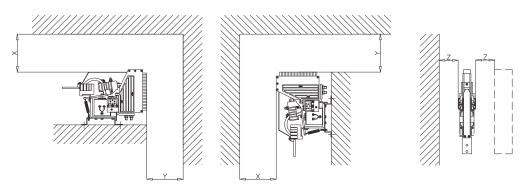
^{*} For details please refer to dedicated technical note

Description

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

| Electrical Characteristics | | | |
|---|----------------------------|----------------------------|--|
| Rated Operational Voltage [Vac / Vdc] | 1500 | | |
| Max Operational Voltage [Vac / Vdc] | 2000 | | |
| Rated Insulation Voltage [V] | 2000 | | |
| | Series Connected | Parallel Connected | |
| Conventional Free Air Thermal Current [A] at 75°C | 1250 | 2500 | |
| DC-Rated Operational Current (τ=15ms) [A] | | | |
| 1500V | 2600 | 1550 | |
| 750V | 5200 | 3100 | |
| DC-Maximum Breaking Capacity (τ=15ms) [A] | | | |
| 1500V | 3200 | 1950 | |
| 750V | 6400 | 3900 | |
| AC-Maximum Breaking Capacity (cosφ=0,8; 50Hz) [A] | | | |
| 1500V | 3600 | 2100 | |
| 750V | 7200 | 4200 | |
| Short Circuit Withstand Capacity for 5ms [kA] | 16 | 24 | |
| Critical Current Range [A] | <30 at 1500V _{dc} | <50 at 1500V _{dc} | |
| Fault Making Capacity [kA] | 9.6 | 14.4 | |
| Component Category / Operational Frequency Class | A2 | A2 / C3 | |
| Blow Out Circuit Type | Inc | direct | |

Minimum clearances from metal parts [mm] X = 80; Y = 300; Z = 40





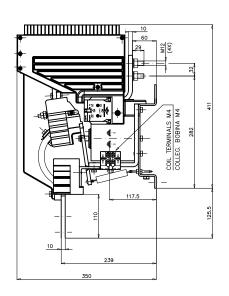
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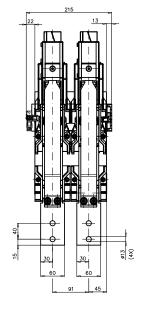
| Mechanical Characteristics | |
|---------------------------------|-------------------|
| Mechanical Endurance (cycles) | 2x10 ⁶ |
| Shock and Vibrations (IEC61373) | Cat.1 - Class B |
| Weight [kg] | 38 |

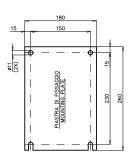
| Control Circuit | |
|---|-------------------------------|
| Control Voltage Range | 0.7Uc ÷ 1.25Uc |
| Power Consumption (U _c and $T = 20^{\circ}C$) at Pick Up - when Holding [W] | 60 - 30 |
| Mechanical Operation Time (U₁ and T = 20°C) when Closing - Opening [ms] | 300 - 60 |
| Time Constant (L/R) at Pick Up - when Holding [ms] | 193.5 - 215 |
| Electrical Connections | Fast-On 6.35x0.8mm - Screw M4 |

| Auxiliary Contacts | |
|---|---------------------------------|
| Tips material | Solid Silver (Gold plating opt) |
| Rated Operational Voltage [Vac / Vdc] | 250 |
| Rated Current [A] | 10 |
| Minimum Switching Current at 16Vdc [mA] | 20 |
| Electrical Connections | Fast-On 6.35x0.8mm - Screw M4 |

| 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 |







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