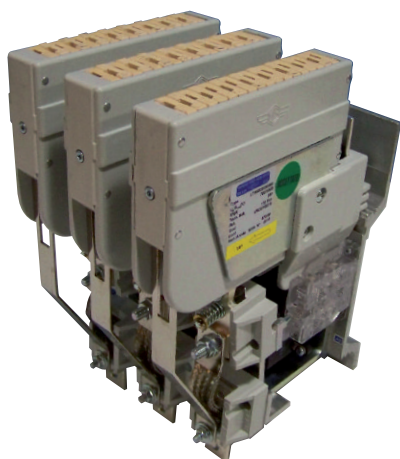


Switches



LTHS03203HFO0

| | |
|---|-----------------|
| Type | LTHF 320 |
| Number of Poles | 3 NO |
| Mounting Position | Horizontal 20° |
| Control Voltage Rating [V _{dc}] | 24 |
| Auxiliary Contact Blocks | 2 (1 NO + 1 NC) |
| Block Type* | SK - SL |
| Arc chute Material | Ceramic |
| Contact tips material* | S6 |

* For details please refer to dedicated technical note

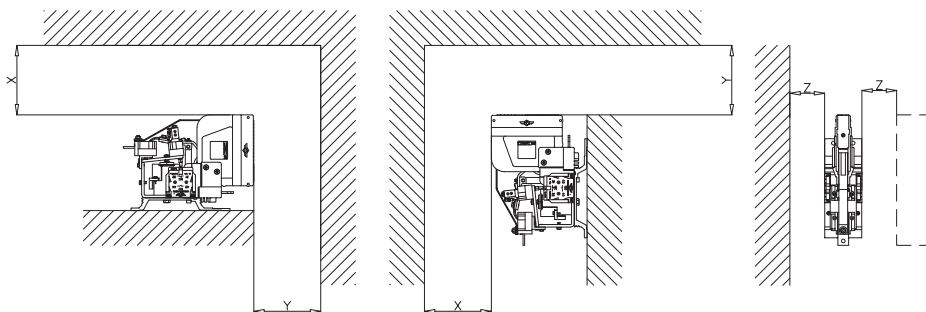
Description

Contactor 3-phase with single interruption in air, electromagnetic control by full power coil. Single state functioning. Special execution for frequency up to 400Hz and short circuit interruption capabilities. Reference Standard IEC 60077.

Electrical Characteristics

| | |
|--|------------------------------|
| Rated Operational Voltage [V _{ac} / V _{dc}] | 1500 |
| Max Operational Voltage [V _{ac} / V _{dc}] | 2000 |
| Rated Insulation Voltage [V] | 2000 |
| Conventional Free Air Thermal Current [A] at 75°C | 300 |
| DC-Rated Operational Current (τ=15ms) [A] | |
| 1500V | — |
| 750V | — |
| DC-Maximum Breaking Capacity (τ=15ms) [A] | |
| 1500V | — |
| 750V | — |
| AC-Maximum Breaking Capacity (cosφ=0,8; 50Hz) [kVA] | |
| 1500V | 900 |
| 750V | 1200 |
| Component Category / Operational Frequency Class | A2 / C3 |
| Short Circuit Withstand Capacity for 5ms [kA] | 8 |
| Critical Current Range [A] | NONE |
| Fault Making Capacity [kA] | 4.8 |
| Blow Out Circuit Type | Indirect with arcing contact |

Minimum clearances
from metal parts [mm]
X = 200; Y = 80 ; Z = 30



Switches

LTHS03203HFO0

Mechanical Characteristics

| | |
|---------------------------------|-------------------|
| Mechanical Endurance (cycles) | 2x10 ⁶ |
| Shock and Vibrations (IEC61373) | Cat.1 - Class B |
| Weight [kg] | 13 |

Control Circuit

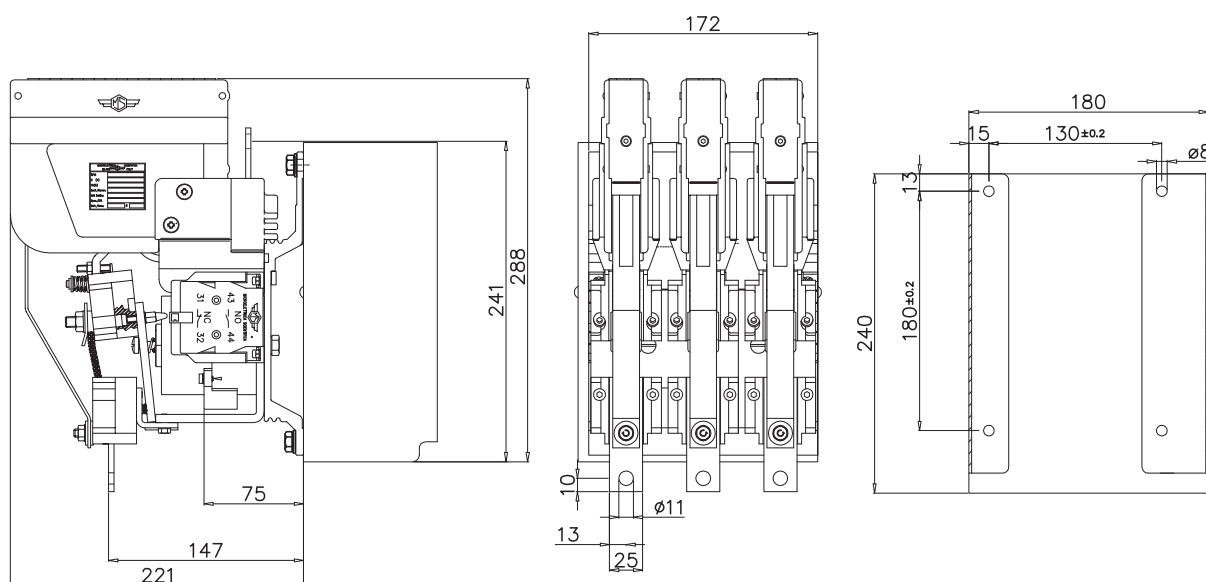
| | |
|---|--|
| Control Voltage Range | 0.7U _c ÷ 1.25U _c |
| Power Consumption (U _c and T = 20°C) at Pick Up - when Holding [W] | 50 - 50 |
| Mechanical Operation Time (U _c and T = 20°C) when Closing - Opening [ms] | 110 - 30 |
| Time Constant (L/R) at Pick Up - when Holding [ms] | 60 - 80 |
| Electrical Connections | Screw M4 |

Auxiliary Contacts

| | |
|--|--------------------|
| Tips material | Solid Silver |
| Rated Operational Voltage [V _{ac} / V _{dc}] | 250 |
| Rated Current [A] | 10 |
| Minimum Switching Current at 16V _{dc} [mA] | 20 |
| Electrical Connections | Fast-On 6.35x0.8mm |

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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