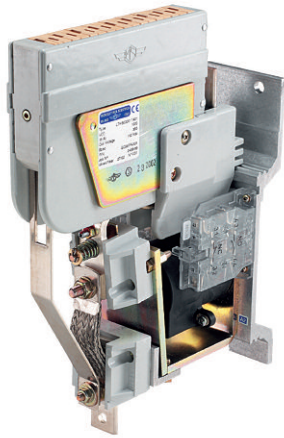


# Switches



## LTHS03201\*B01

Type	LTHS 320
Number of Poles	1 NC
Mounting Position	Horizontal - vertical
Control Voltage Rating [V <sub>dc</sub> ]	24 ÷ 220
Auxiliary Contact Blocks	Max 4x(1 NO + 1 NC or 2 NO)
Block Type*	SK - SL - LP - RK
Arc chute Material	Ceramic
Contact tips material*	S6

\* For details please refer to dedicated technical note

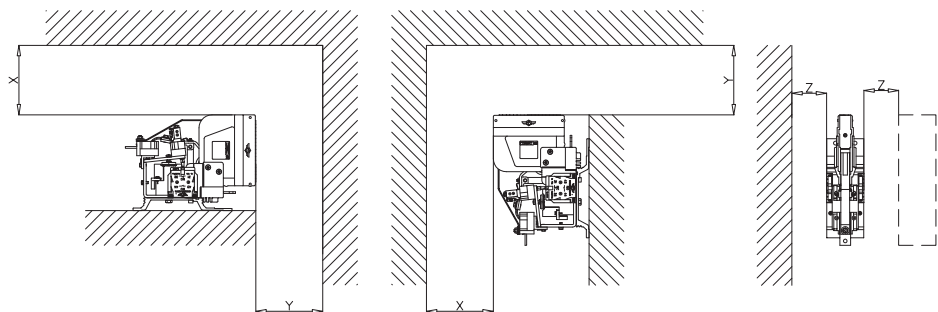
### Description

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

### Electrical Characteristics

Rated Operational Voltage [V <sub>ac</sub> / V <sub>dc</sub> ]	1500
Max Operational Voltage [V <sub>ac</sub> / V <sub>dc</sub> ]	2000
Rated Insulation Voltage [V]	2000
Conventional Free Air Thermal Current [A] at 75°C	300
DC-Rated Operational Current (τ=15ms) [A]	
1000V	225
750V	300
DC-Maximum Breaking Capacity (τ=15ms) [A]	
1000V	400
750V	510
AC-Maximum Breaking Capacity (cosφ=0,8; 50Hz) [A]	
1000V	290
750V	380
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

LTHS03201\*B01

## Mechanical Characteristics

Mechanical Endurance (cycles)	2x10 <sup>6</sup>
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	4.8

## Control Circuit

Control Voltage Range	0.7U <sub>c</sub> ÷ 1.25U <sub>c</sub>
Power Consumption (U <sub>c</sub> and T = 20°C) at Pick Up - when Holding [W]	25 - 25
Mechanical Operation Time (U <sub>c</sub> and T = 20°C) when Closing - Opening [ms]	110 - 30
Time Constant (L/R) at Pick Up - when Holding [ms]	60 - 80
Electrical Connections	Fast-On 6.35x0.8mm - Screw M4

## Auxiliary Contacts

Tips material	Solid Silver (Gold plating opt)
Rated Operational Voltage [V <sub>ac</sub> / V <sub>dc</sub> ]	250
Rated Current [A]	10 (RK= 0.5)
Minimum Switching Current at 16V <sub>dc</sub> [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

