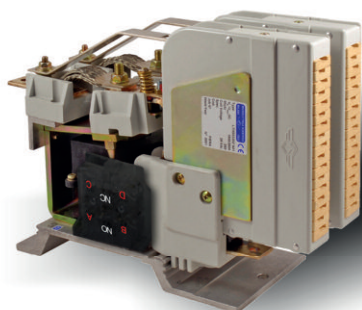


# Switches



## LTHS03202\*A01

Type	LTHS 320
Number of Poles	2 NO
Mounting Position	Horizontal - Vertical
Control Voltage Rating [V <sub>dc</sub> ]	16 ÷ 220
Auxiliary Contact Blocks	Max 4 x (1 NO + 1 NC or 2 NO)
Block Type*	SL
Arc chute Material	Ceramic
Contact Tips Material*	S6

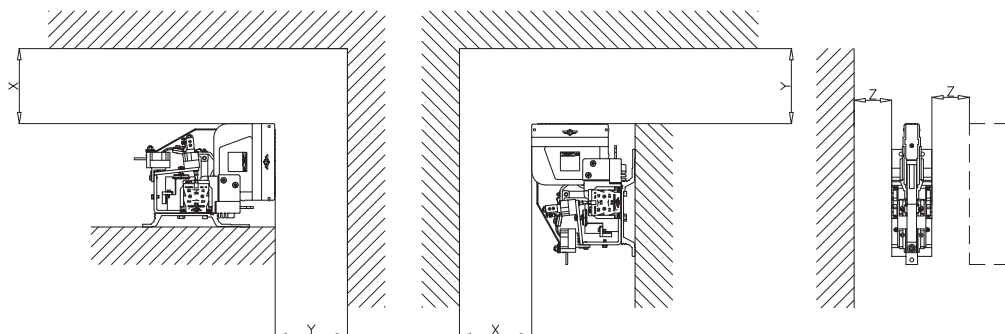
\* For details please refer to dedicated technical note

### 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	
	Series Connected	Parallel Connected
Conventional Free Air Thermal Current [A] at 75°C	300	600
DC-Rated Operational Current (□=15ms) [A]		
1500V	350	—
750V	750	360
DC-Maximum Breaking Capacity (□=15ms) [A]		
1500V	400	—
750V	1000	480
AC-Maximum Breaking Capacity (cos□=0,8; 50Hz) [A]		
1500V	660	—
750V	1500	700
Short Circuit Withstand Capacity for 5ms [kA]	8	10
Critical Current Range [A]	NONE	NONE
Fault Making Capacity [kA]	4.8	6
Component Category / Operational Frequency Class	A2 / C3	
Blow Out Circuit Type	Indirect	

Minimum clearances  
from metal parts [mm]  
X = 60; Y = 210 ; Z = 30



# Switches

LTHS03202\*A01

## Mechanical Characteristics

Mechanical Endurance (cycles)	2x10 <sup>6</sup>
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	8.5

## 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]	32 - 32
Mechanical Operation Time (U <sub>c</sub> and T = 20°C) when Closing - Opening [ms]	110 - 32
Time Constant (L/R) at Pick Up - when Holding [ms]	75 - 90
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
Minimum Switching Current at 16V <sub>dc</sub> [mA]	10
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

