

# Switches

## LTHS17006SA00

Type	LTHS 1700
Number of Poles	6 NO (2x3 NO)
Mounting Position	Horizontal - Vertical
Control Voltage Rating [V <sub>dc</sub> ]	24 ÷ 220
Auxiliary Contact Blocks	Max 4 x (1 NO + 1 NC or 2 NO)
Block Type*	SL
Arc chute Material	Ceramic
Contact Tips Material*	S4 - S6

\* For details please refer to dedicated technical note

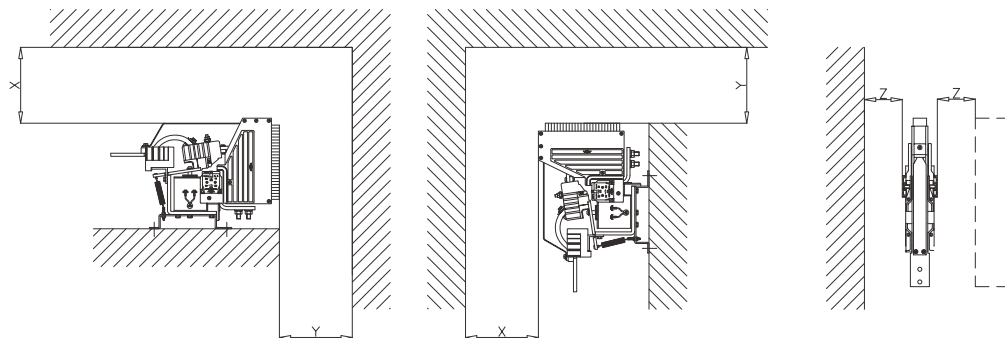
### Description

Contactor with single interruption in air, electromagnetic control by power save system. 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	4500
DC-Rated Operational Current (τ=15ms) [A]	
1500V	2860
750V	5720
DC-Maximum Breaking Capacity (τ=15ms) [A]	
1500V	3500
750V	7000
AC-Maximum Breaking Capacity (cosφ=0,8; 50Hz) [A]	
1500V	4000
750V	8000
Short Circuit Withstand Capacity for 5ms [kA]	36
Critical Current Range [A]	<30 at 1500V <sub>dc</sub>
Fault Making Capacity [kA]	27
Component Category / Operational Frequency Class	A2 / C3
Blow Out Circuit Type	Indirect

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



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## Mechanical Characteristics

Mechanical Endurance (cycles)	2x10 <sup>6</sup>
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	120

## 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]	120 - 120
Mechanical Operation Time (U <sub>c</sub> and T = 20°C) when Closing - Opening [ms]	300 - 60
Time Constant (L/R) at Pick Up - when Holding [ms]	460 - 380
Electrical Connections	Fast-On 6.35x0.8mm - Screw M4

## Auxiliary Contacts

Tips material	Ag/Au
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]	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