

Switches



LTHS17002SA00

Type	LTHS 1700
Number of Poles	2 NO
Mounting Position	Horizontal - Vertical
Control Voltage Rating [V _{dc}]	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

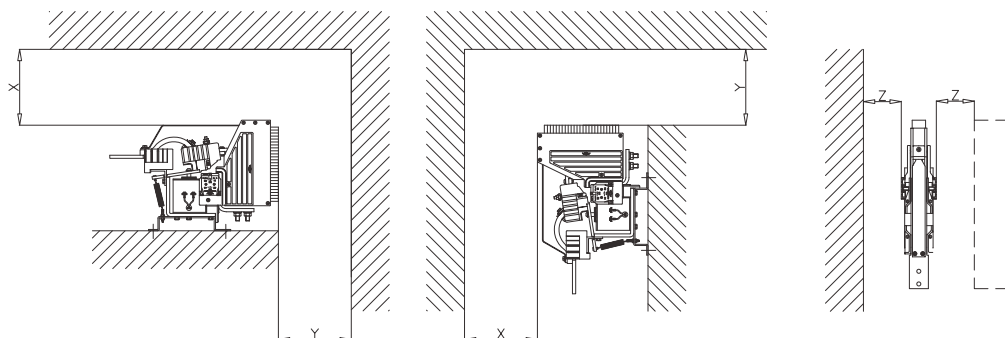
* For details please refer to dedicated technical note

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 _{ac} / V _{dc}]	1500	
Max Operational Voltage [V _{ac} / V _{dc}]	2000	
Rated Insulation Voltage [V]	2000	
	Series Connected	Parallel Connected
Conventional Free Air Thermal Current [A] at 75°C	1600	3000
DC-Rated Operational Current (τ=15ms) [A]		
1500V	2860	1700
750V	5720	3400
DC-Maximum Breaking Capacity (τ=15ms) [A]		
1500V	3500	2100
750V	7000	4200
AC-Maximum Breaking Capacity (cosφ=0,8; 50Hz) [A]		
1500V	4000	2300
750V	8000	4600
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]	12	18
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 ⁶
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	40

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]	60 - 30
Mechanical Operation Time (U _c and T = 20°C) when Closing - Opening [ms]	300 - 60
Time Constant (L/R) at Pick Up - when Holding [ms]	230 - 190
Electrical Connections	Fast-On 6.35x0.8mm - Screw M4

Auxiliary Contacts

Tips material	Ag/Au
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 - 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

