

Switches



LTHS04012SALO

Type	LTHS 400
Number of Poles	2 NO
Mounting Position	Horizontal - Vertical
Control Voltage Rating [V _{dc}]	110
Auxiliary Contact Blocks	Max 4 x (1 NO + 1 NC or 2 NO)
Block Type*	SL
Arc chute Material	Polyester Resin - Ceramic
Contact tips material*	S6

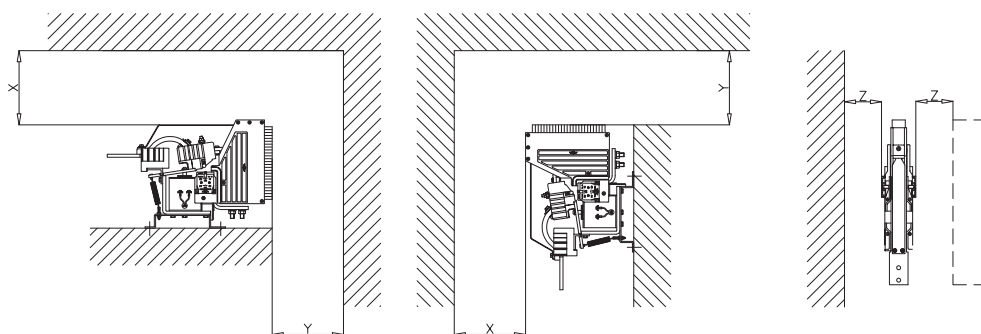
* For details please refer to dedicated technical note

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 _{ac} /V _{dc}]	1500	
Max Operational Voltage [V _{ac} /V _{dc}]	2000	
Rated Insulation Voltage [V]	2000	
	Independent poles	
Conventional Free Air Thermal Current [A] at 75°C	400	
DC-Rated Operational Current (τ=15ms) [A]	Polyester Resin arc chute	Ceramic arc chute
1500V	170	270
750V	530	800
DC-Maximum Breaking Capacity (τ=15ms) [A]		
1500V	400	500
900V	830	1150
750V	1000	1400
AC-Maximum Breaking Capacity (cosφ=0,8; 50Hz) [A]		
1500V	600	800
750V	1200	2000
Component Category / Operational Frequency Class	A2 / C3	
Short Circuit Withstand Capacity for 5ms [kA]	10	
Critical Current Range [A]	< 50 (U > 1500V _{dc})	
Fault Making Capacity [kA]	6	
Blow Out Circuit Type	Indirect	

Minimum clearances
from metal parts [mm]
X = 80; Y = 210 ; Z = 40



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LTHS04012SAL0

Mechanical Characteristics

Mechanical Endurance (cycles)	2x10 ⁶
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	19,5

Control Circuit

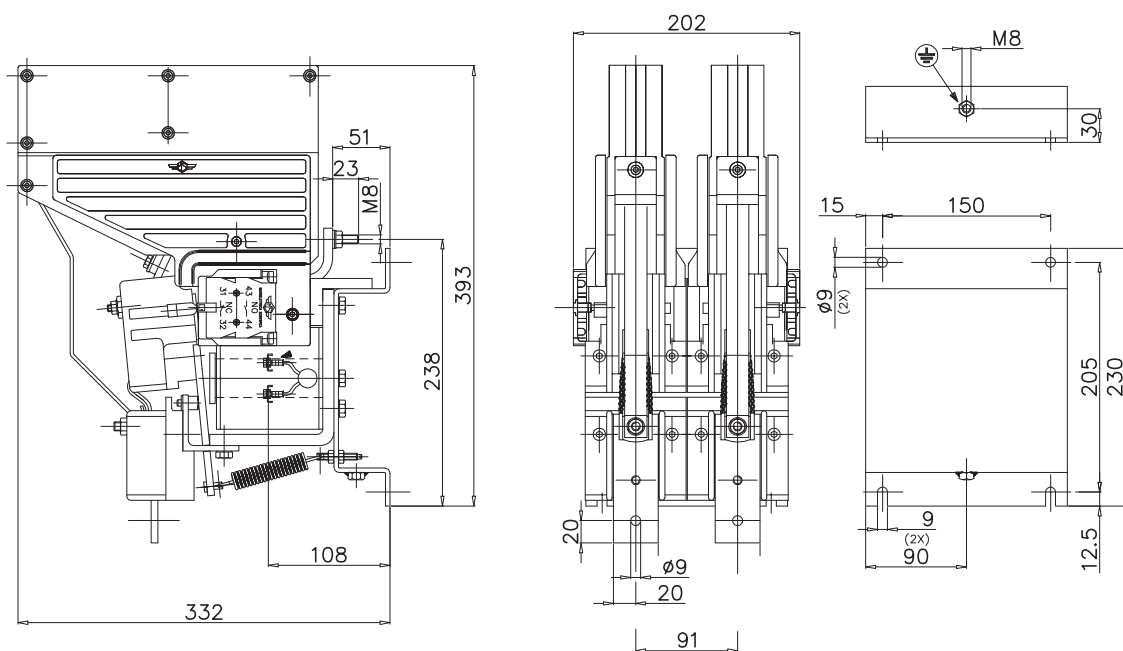
Control Voltage Range	0.7U _c ÷ 1.25U _c
Power Consumption (U _c and T = 20°C) at Pick Up - when Holding [W]	40-40
Mechanical Operation Time (U _c and T = 20°C) when Closing - Opening [ms]	240 - 50
Time Constant (L/R) at Pick Up - when Holding [ms]	130 - 170
Electrical Connections	Fast-On 6.35x0.8mm - Screw M4

Auxiliary Contacts

Tips material	Solid Silver (Gold plating opt)
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



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