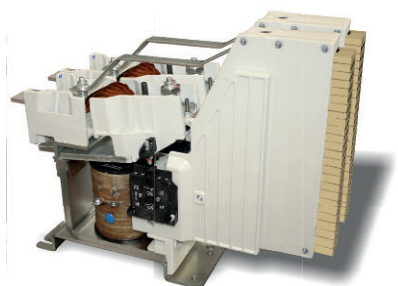


Switches

LTHS12502SA02



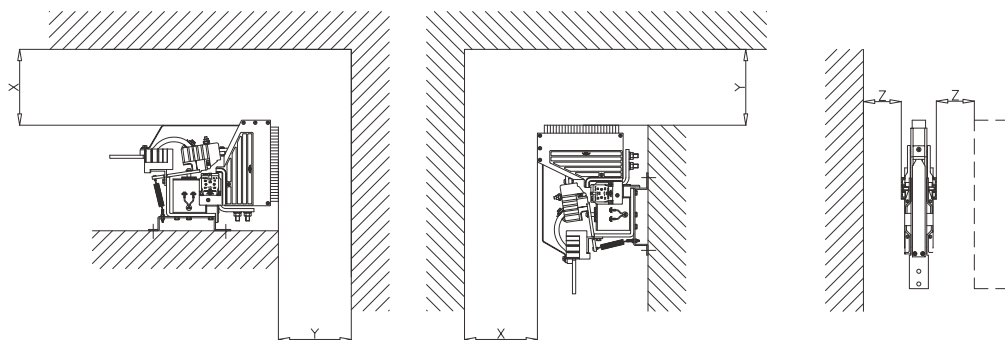
Type	LTHS 1250
Number of Poles	2 NO
Mounting Position	Horizontal - Vertical
Control Voltage Rating [V _{dc}]	12 ÷ 340
Auxiliary Contact Blocks	Max 4 x (1 NO + 1 NC or 2 NO)
Block Type	SL
Arc chute Material	Ceramic
Contact Tips Material	S6

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	
	Series Connected	Parallel Connected
Conventional Free Air Thermal Current [A] at 75°C	1200	2400
DC-Rated Operational Current (τ=15ms) [A]		
1500V	2400	1440
750V	4800	2880
DC-Maximum Breaking Capacity (τ=15ms) [A]		
1500V	3000	1800
750V	6000	3600
AC-Maximum Breaking Capacity (cosφ=0,8; 50Hz) [A]		
1500V	3300	1980
750V	6600	3960
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]	9.6	14.4
Component Category / Operational Frequency Class	A2 / C3	
Blow Out Circuit Type	Indirect	

Minimum clearances
from metal parts [mm]
X = 80; Y = 400 ; Z =30



Switches

LTHS12502SA02

Mechanical Characteristics

Mechanical Endurance (cycles)	2x10 ⁶
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	27.5

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]	60 - 60
Mechanical Operation Time (U _c and T = 20°C) when Closing - Opening [ms]	280 - 30
Time Constant (L/R) at Pick Up - when Holding [ms]	193.5 - 215
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

