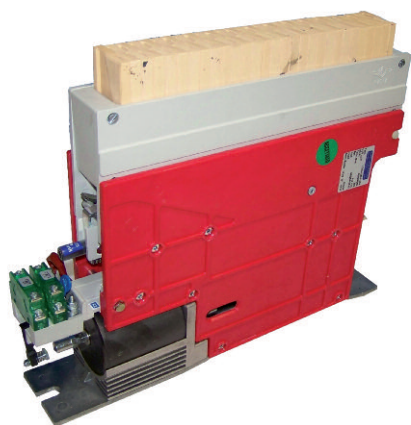


Switches



LTHH02501*A02

Type	LTHH 250
Number of Poles	1 NO
Mounting Position	Horizontal - Vertical
Control Voltage Rating [V _{dc}]	12 ÷ 220
Auxiliary Contact Blocks	Max 2 (1 NO + 1 NC)
Block Type*	SJ - LJ
Arc chute Material	Ceramic
Contact tips material*	S6

* For details please refer to dedicated technical note

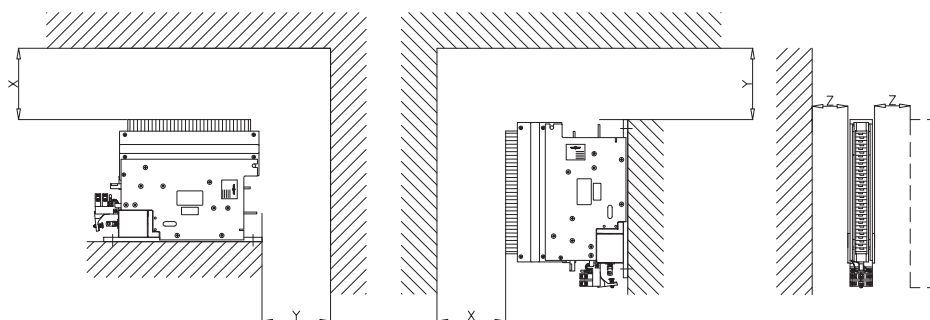
Description

Contactor 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}]	3000
Max Operational Voltage [V _{ac} / V _{dc}]	4000
Rated Insulation Voltage [V]	4000
Conventional Free Air Thermal Current [A] at 75°C	250
DC-Rated Operational Current (τ=15ms) [A]	
3000V	270
1500V	540
DC-Maximum Breaking Capacity (τ=15ms) [A]	
3000V	350
1500V	700
AC-Maximum Breaking Capacity (cosφ=0,8; 50Hz) [A]	
3000V	400
1500V	800
Component Category / Operational Frequency Class	A2 / C3
Short Circuit Withstand Capacity for 5ms [kA]	6
Critical Current Range [A]	NONE
Fault Making Capacity [kA]	3.6
Blow Out Circuit Type	Indirect

Minimum clearances
from metal parts [mm]
X = 330; Y = 50 ; Z = 50



Switches

LTHH02501*A02

Mechanical Characteristics

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

Control Circuit

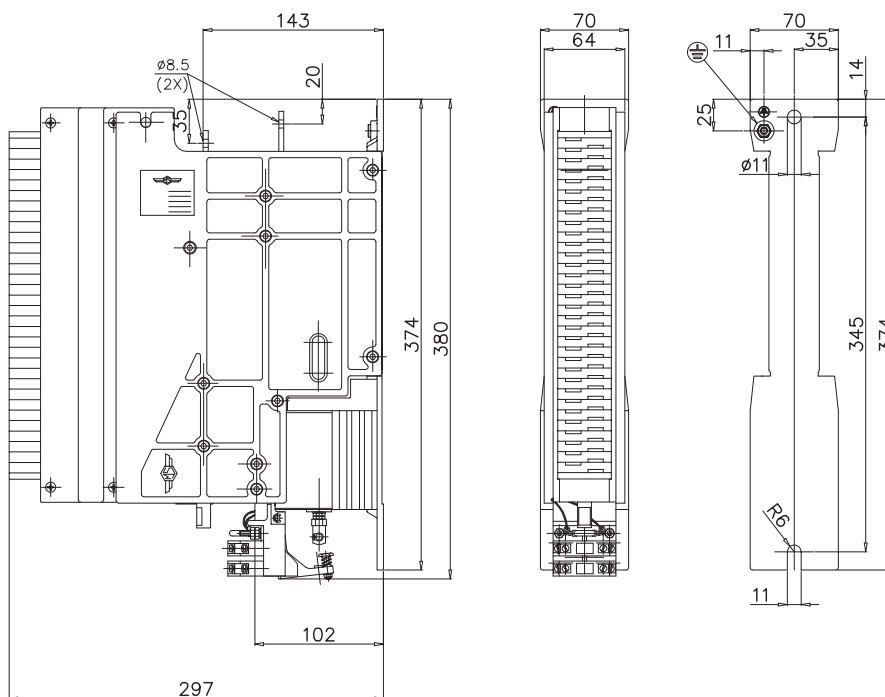
Control Voltage Range	0.7U _c ÷ 1.25U _c
Power Consumption (U _c and T = 20°C) at Pick Up - when Holding [W]	35 - 35
Mechanical Operation Time (U _c and T = 20°C) when Closing - Opening [ms]	100 - 25
Time Constant (L/R) at Pick Up - when Holding [ms]	30 - 80
Electrical Connections	Fast-On 6.35x0.8mm - 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 M3

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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