

Switches



LTHH10041EA01

Type	LTE 4-600
Number of Poles	1 NO
Mounting Position	Horizontal - Vertical
Control Voltage Rating [V _{dc}]	12 ÷ 220
Auxiliary Contact Blocks	Max 3 (1 NO + 1 NC)
Block Type*	SJ - LJ
Arc chute Material	Ceramic
Contact tips material*	S6 - S4

* For details please refer to dedicated technical note

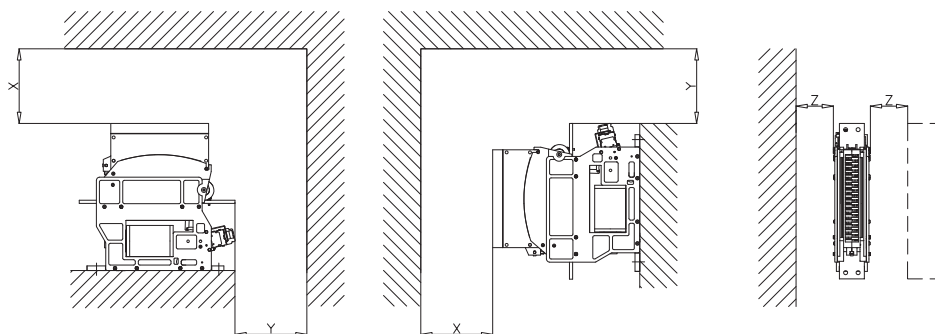
Description

Contactor 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}]	3000
Max Operational Voltage [V _{ac} / V _{dc}]	4000
Rated Insulation Voltage [V]	4000
Conventional Free Air Thermal Current [A]	900 (630 with S4 tips)
Conventional Free Air Thermal Current [A] at 75°C	800 (560 with S4 tips)
DC-Rated Operational Current (τ=15ms) [A]	
3000V	600
1500V	1300
DC-Maximum Breaking Capacity (τ=15ms) [A]	
3000V	800
1500V	1700
AC-Maximum Breaking Capacity (cosφ=0,8; 50Hz) [A]	
3000V	1000
1500V	1900
Component Category / Operational Frequency Class	A2 / C3
Short Circuit Withstand Capacity for 5ms [kA]	16
Critical Current Range [A]	< 6 (U > 1500V _{dc})
Fault Making Capacity [kA]	9.6
Blow Out Circuit Type	Indirect

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



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Mechanical Characteristics

Mechanical Endurance (cycles)	2x10 ⁶
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	13

Control Circuit

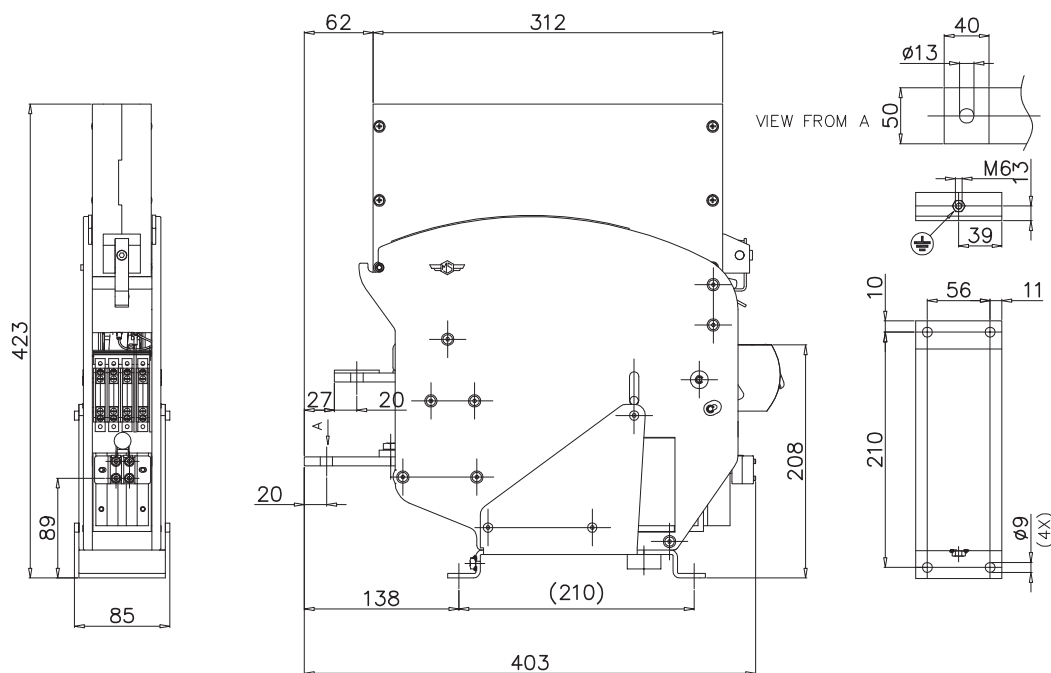
Control Voltage Range	0.7U _c ÷ 1.25U _c
Power Consumption (U _c and T = 20°C) at Pick Up - when Holding [W]	300 - 50
Mechanical Operation Time (U _c and T = 20°C) when Closing - Opening [ms]	100 - 45
Time Constant (L/R) at Pick Up - when Holding [ms]	20 - 36
Electrical Connections	Fast-On 6.35x0.8mm - 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



Rev.02 05/2012

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