

Switches



LTC002503*A01

Type	LTCS 250 or LTCH 250
Number of Poles	3 NO
Mounting Position	Horizontal - Vertical
Control Voltage Rating [V _{dc}]	24 ÷ 220
Auxiliary Contact Blocks	Max 3 x (1 NO + 1 NC or 2 NO)
Block Type*	SL
Arc chute Material	Polyester Resin - Ceramic
Contact tips material*	S6

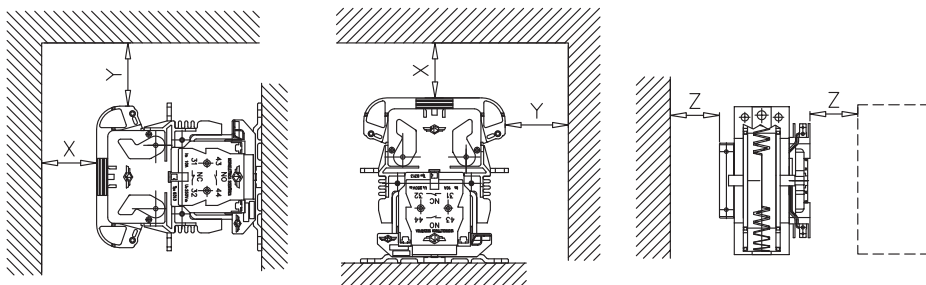
* For details please refer to dedicated technical note

Description

Contactor with double interruption in air, electromagnetic control by double winding power coil. Single state functioning.
Reference standard IEC 60077.

Electrical Characteristics		
	Polyester Resin arc chute	Ceramic arc chute
Rated Operational Voltage [V _{ac} / V _{dc}]	750	750
Max Operational Voltage [V _{ac} / V _{dc}]	2000	2000
Rated Insulation Voltage [V]	2000	2000
Conventional Free Air Thermal Current [A] at 75°C	200	200
AC-Maximum Breaking Capacity (cosφ=0,8; 50Hz) [kVA]		
1500V	100	120
1000V	250	320
440V	320	400
Component Category / Operational Frequency Class	A2 / C3	
Short Circuit Withstand Capacity for 5ms [kA]	4	
Critical Current Range [A]	DC Reverse current	
Fault Making Capacity [kA]	2.4	
Blow Out Circuit Type	Permanent Magnet	

Minimum clearances
from metal parts [mm]
X = 120; Y = 120 ; Z =30



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Mechanical Characteristics

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

Control Circuit

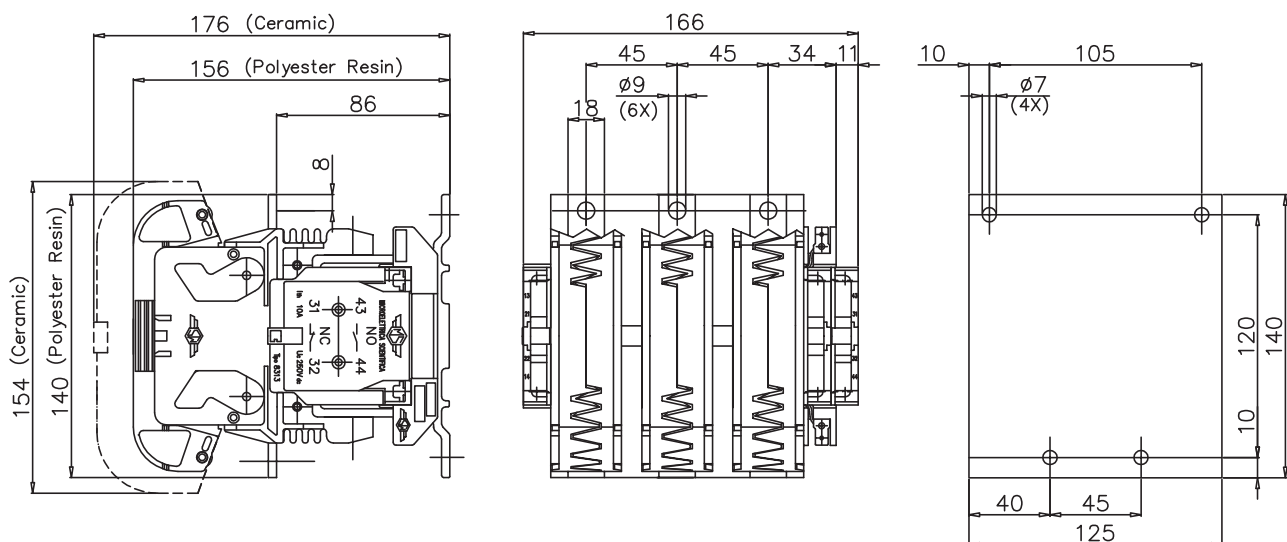
Control Voltage Range	0.7U _c ÷ 1.25U _c
Power Consumption (U _c and T = 20°C) at Pick Up - when Holding [W]	100 - 20
Mechanical Operation Time (U _c and T = 20°C) when Closing - Opening [ms]	50 - 20
Time Constant (L/R) at Pick Up - when Holding [ms]	25 - 80
Electrical Connections	Fast-On 6.35x0.8mm

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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