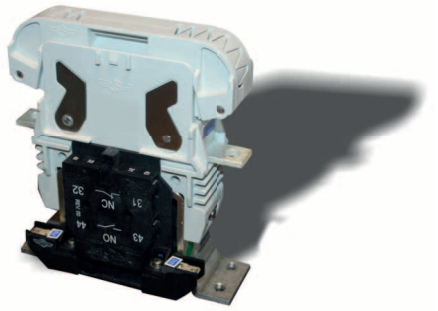
Switches

Standard Family Code
LTC002501*A02



Type	LTCS 250 or LTCH 250
Number of Poles	1 NO
Mounting Position	Horizontal - Vertical[1]
Control Voltage Rating Uc [Vdc]	24 - 36 - 48 - 72 - 110[1]
Auxiliary Contact Blocks	2 (1 NO + 1 NC)
Block Type	SL
Arc chute Material	Polyester Resin - Ceramic[1]
Main Contacts tips Material	S6
Arcing Contacts tips Material	-
Electric Diagram	-
Ceramic Layout Drawing	D47610
Polyester Resin Layout Drawing	D46935

[1] To be specified in order phase.

Description

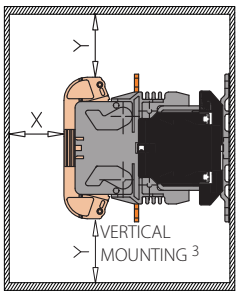
Contactor with double interruption in air, electromagnetic control by full power coil. Single state functioning.
Reference Standard IEC 60077, IEC 61992 and IEC 60947.

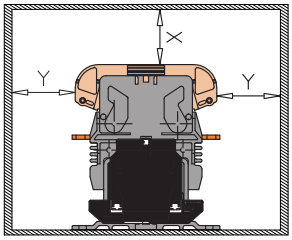
Electrical Characteristics		
Rated Operational Voltage [Vac/Vdc]	440 / 900 / 1800[1]	
Max Operational Voltage [Vac/Vdc]	2000	
Rated Insulation Voltage [V]	2000	
Conventional Free Air Thermal Current [A] at 40°C [2]	250	
Conventional Free Air Thermal Current [A] at 75°C [2]	200	
DC-Rated Operational Current (τ=15ms) [A]	Polyester Resin arc chute	Ceramic arc chute
1800V	16	20
900V	65	100
400V	130	200
DC-Maximum Breaking Capacity (τ=5ms) [A]		
1800V	25	30
900V	130	150
400V	195	225
AC-Maximum Breaking Capacity (cosϕ=0,8; 50Hz) [A]		
1800V	60	72
900V	250	320
400V	320	400
Component Category / Operational Frequency Class	A2 / C3	
Short Circuit Withstand Capacity for 100ms [kA]	5	
Critical Current Range [A]	DC Reverse current	
Fault Making Capacity [kA]	2.4	
Blow Out Circuit Type	Permanent Magnet	

[2] Device cabled according IEC 60947

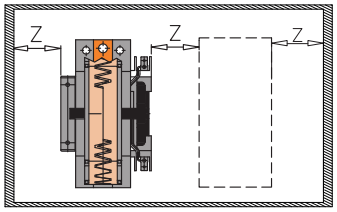
Minimum clearances [mm] from:				
Rated Operational Voltage		X	Y	Z
900V	Metal Parts	80	80	20
	Plastic Parts	50	50	0

Minimum clearances [mm] from:				
Rated Operational Voltage		X	Y	Z
1800V	Metal Parts	120	120	30
	Plastic Parts	50	50	20





HORIZONTAL
MOUNTING [3]



[3]Other mounting positions not allowed, reduced distances should be approved by MS.

The technical specifications reported are not binding and they should be agreed in the related contract.

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

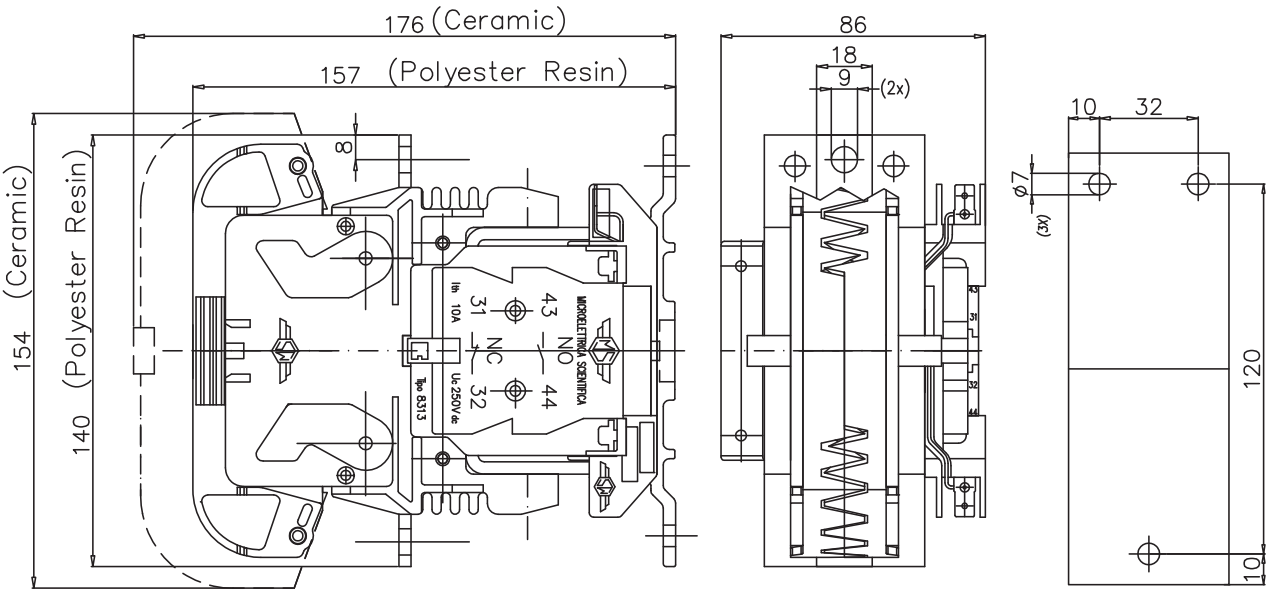
Control Circuit	
Control Voltage Range	$0.7U_c \div 1.25U_c$
Power Consumption (U_c and T = 20°C) at Pick Up - when Holding [W]	32 - 32
Mechanical Operation Time (U_c and T = 20°C) when Closing - Opening [ms]	50 - 20
Time Constant (L/R) at Pick Up - when Holding [ms]	25 - 50
Electrical Connections	Fast-On 6.35x0.8mm

Auxiliary Contacts	
Rated Operational Voltage [V_{ac} / V_{dc}]	250
Conventional Free Air Thermal Current [A] at 40° C	10
Tips material Rated Current [A]	Silver Alloy (Optional: Golden Plated)
Minimum Let-Through Current at 24/72/110V_{dc} [mA][4]	20(10)/15(7.5)/10(5)
Electrical Connections	Low voltage connector AMP20Pins

Environmental Conditions	
Stock Temperature Range	-50°C ÷ +85°C
Operational Temperature Range	Tx (-40°C ÷ +75°C)[5]
Pollution Degree - Overvoltage Category (EN 50124-1)	PD3 - OV3
Max Altitude without Performance Derating [m]	2000

[4] Reference standard IEC 60947-5-4. Tested in a DRY and CLEAN condition with an LR load. For different working condiotions, please contact MS.

[5] In according to IEC50125-1



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