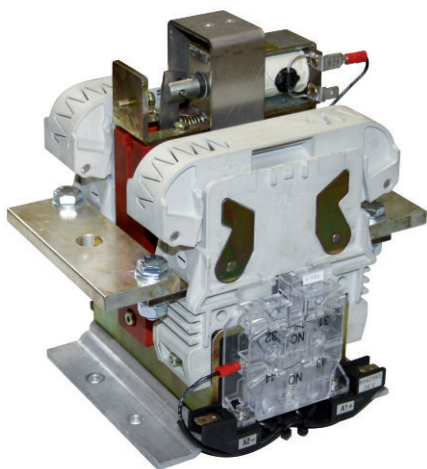


# Switches



## LTC002502SA20

Type	LTCS 250 or LTCH 250
Number of Poles	2 NO + TAN
Mounting Position	Horizontal - Vertical
Control Voltage Rating [V <sub>dc</sub> ]	12 ÷ 220
Auxiliary Contact Blocks	Max 3 x (1 NO + 1 NC or 2 NO)
Block Type*	SK - SL - LP - RK
Arc chute Material	Polyester Resin - Ceramic
Contact Tips Material*	S6

\* For details please refer to dedicated technical note

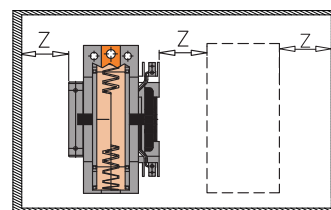
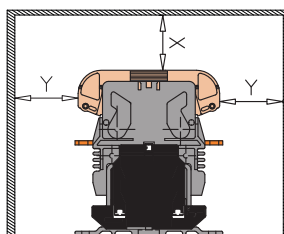
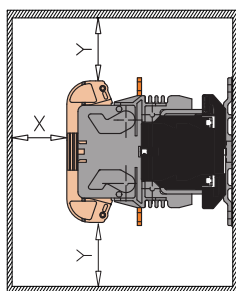
### Description

Contactor double interruption in air, electromagnetic control by control coils (closing and opening coils).  
Complete of latching device. Double state functioning. Reference standard IEC 60077.

### Electrical Characteristics

Rated Operational Voltage [V <sub>ac</sub> / V <sub>dc</sub> ]	750			
Max Operational Voltage [V <sub>ac</sub> / V <sub>dc</sub> ]	1000			
Rated Insulation Voltage [V]	2000			
Arc chute Type	Series Connected		Parallel Connected	
	Polyester Resin	Ceramic	Polyester Resin	Ceramic
Conventional Free Air Thermal Current [A] at 75°C	–	–	400	400
DC-Rated Operational Current (□=15ms) [A]				
1000V	–	–	70	110
750V	–	–	100	150
DC-Maximum Breaking Capacity (□=15ms) [A]				
1000V	–	–	140	160
750V	–	–	200	240
AC-Maximum Breaking Capacity (cos□=0,8; 50Hz) [A]				
1000V	–	–	180	200
750V	–	–	260	320
Short Circuit Withstand Capacity for 5ms [kA]	–	–	8	8
Critical Current Range [A]	–	–	DC reverse current	DC reverse current
Fault Making Capacity [kA]	–	–	4.8	4.8
Component Category / Operational Frequency Class	A2 / C3			
Blow Out Circuit Type	Permanent Magnet			

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



# Switches

LTC002502SA20

## Mechanical Characteristics

Mechanical Endurance (cycles)	2x10 <sup>6</sup>
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	5.2

## Control Circuit

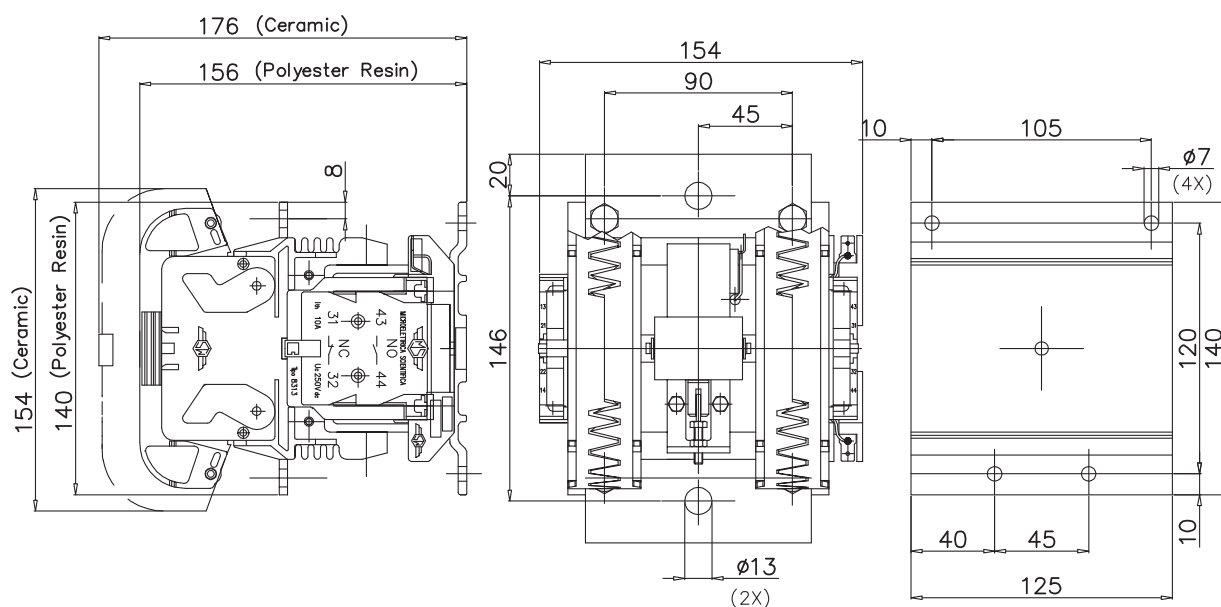
Control Voltage Range	0.7U <sub>c</sub> ÷ 1.25U <sub>c</sub>
Power Consumption (U <sub>c</sub> and T = 20°C) at Pick Up - when Holding [W]	60 - 0
Mechanical Operation Time (U <sub>c</sub> and T = 20°C) when Closing - Opening [ms]	80 - 30
Time Constant (L/R) at Pick Up - when Holding [ms]	35 - 45
Electrical Connections	Fast-On 6.35x0.8mm

## Auxiliary Contacts

Tips material	Solid Silver (Gold plating opt)
Rated Operational Voltage [V <sub>ac</sub> / V <sub>dc</sub> ]	50
Rated Current [A]	10
Minimum Switching Current at 16V <sub>dc</sub> [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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