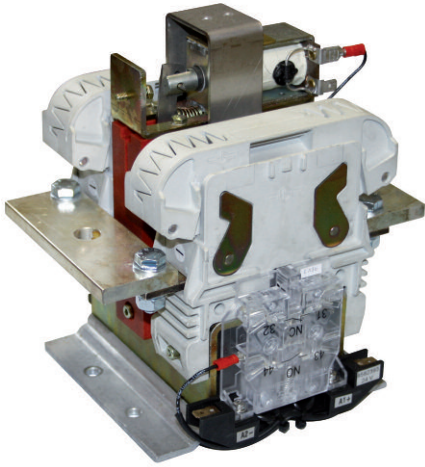


Switches



LTC002502SA20

Type	LTCS 250 or LTCH 250
Number of Poles	2 NO + TAN
Mounting Position	Horizontal - Vertical
Control Voltage Rating [V _{dc}]	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

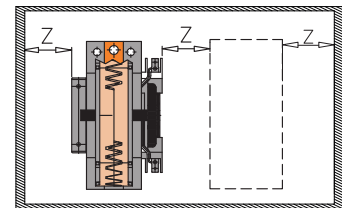
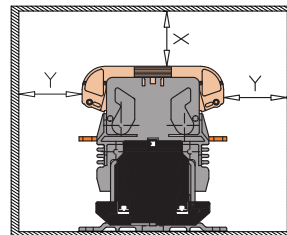
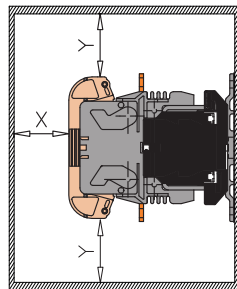
Description

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 _{ac} / V _{dc}]	750			
Max Operational Voltage [V _{ac} / V _{dc}]	1000			
Rated Insulation Voltage [V]	2000			
	Series Connected		Parallel Connected	
Arc chute Type	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 ⁶
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	5.2

Control Circuit

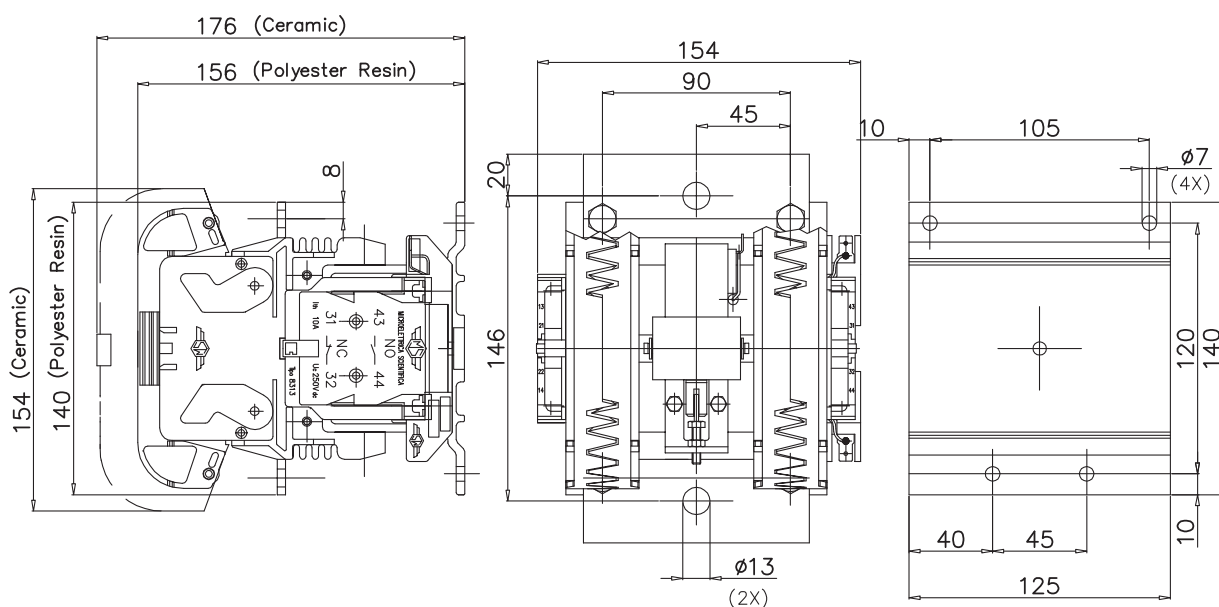
Control Voltage Range	0.7U _c ÷ 1.25U _c
Power Consumption (U _c and T = 20°C) at Pick Up - when Holding [W]	60 - 0
Mechanical Operation Time (U _c and T = 20°C) when Closing - Opening [ms]	80 - 30
Time Constant (L/R) at Pick Up - when Holding [ms]	35 - 45
Electrical Connections	Fast-On 6.35x0.8mm

Auxiliary Contacts

Tips material	Solid Silver (Gold plating opt)
Rated Operational Voltage [V _{ac} / V _{dc}]	50
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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