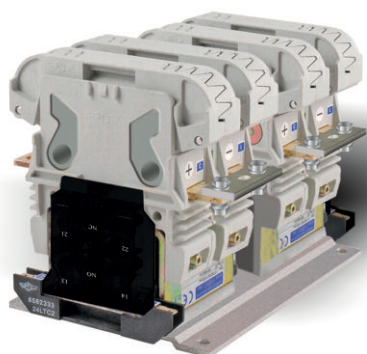


Switches



LTCN02504*A00

Type	LTCN250
Number of Poles	4 NO
Mounting Position	Horizontal - Vertical
Control Voltage Rating [V _{dc}]	24 ÷ 220
Auxiliary Contact Blocks	Max 4 x (1 NO + 1 NC or 2 NO)
Block Type	SL
Arc chute Material	Polyester Resin - Ceramic
Contact tips material	S6

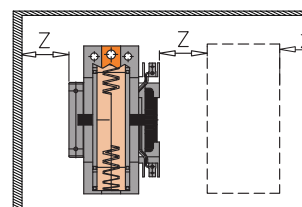
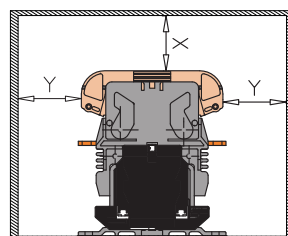
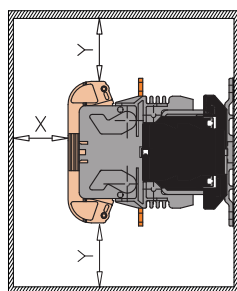
Description

Contact with double interruption in air, electromagnetic control by full power coils. Single state functioning.
Reference Standard IEC 60077.

Electrical Characteristics

Rated Operational Voltage [V _{ac} / V _{dc}]	1500
Max Operational Voltage [V _{ac} / V _{dc}]	2000
Rated Insulation Voltage [V]	2000
Conventional Free Air Thermal Current [A] at 75°C	200
AC-Maximum Breaking Capacity (cosφ=0,8; 50Hz) [kVA]	
1000V (3-phase)	250
440V (3-phase)	500
Component Category / Operational Frequency Class	A2 / C3
Short Circuit Withstand Capacity for 5ms [kA]	4
Critical Current Range [A]	DC Current
Fault Making Capacity [kA]	2.4
Blow Out Circuit Type	None

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



Switches

LTCN02504*A00

Mechanical Characteristics

Mechanical Endurance (cycles)	2x10 ⁶
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	6.5

Control Circuit

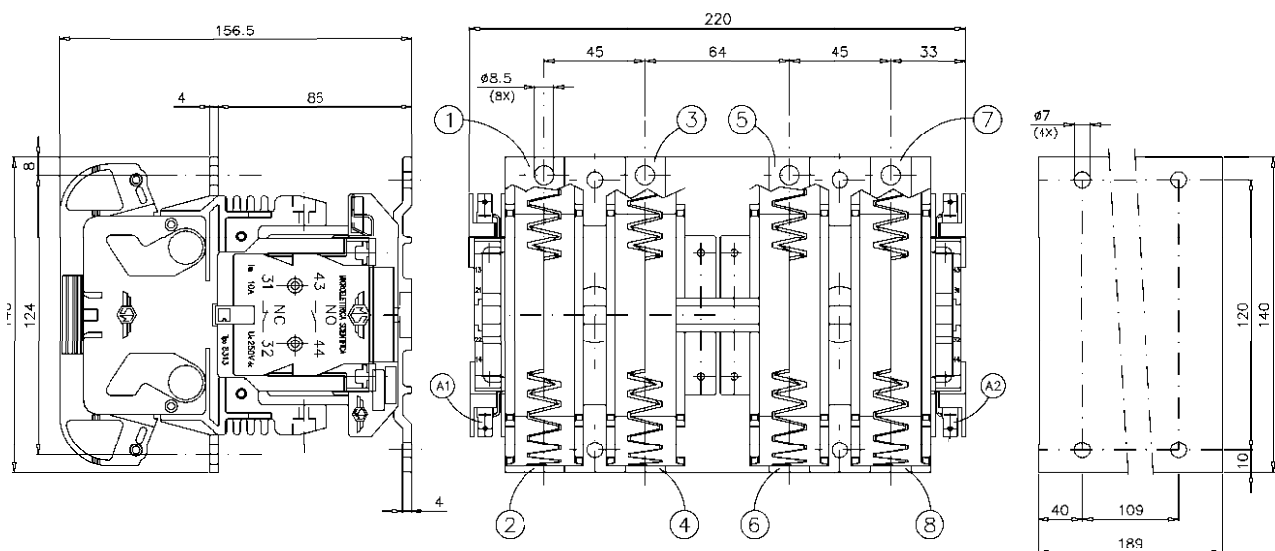
Control Voltage Range	0.7U _c ÷ 1.25U _c
Power Consumption (U _c and T = 20°C) at Pick Up - when Holding [W]	70 - 70
Mechanical Operation Time (U _c and T = 20°C) when Closing - Opening [ms]	50 - 20
Time Constant (L/R) at Pick Up - when Holding [ms]	25 - 50
Electrical Connections	Fast-On 6.35x0.8mm

Auxiliary Contacts

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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