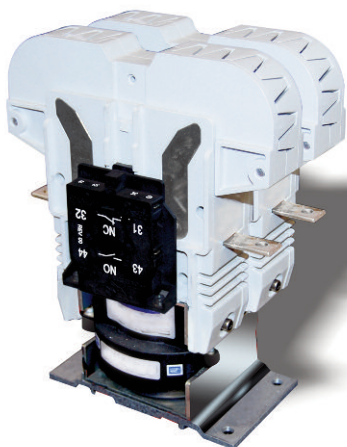


Switches



LTCH00602*A01

Type	LTCH 60
Number of Poles	2 NO
Mounting Position	Horizontal - Vertical
Control Voltage Rating [V _{dc}]	24 ÷ 220
Auxiliary Contact Blocks	Max 2 x (1 NO + 1 NC)
Block Type*	SL
Arc chute Material	Ceramic
Contact Tips Material*	S6

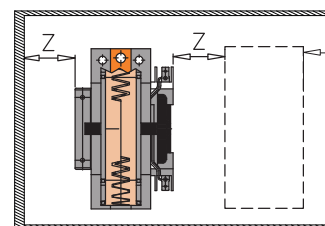
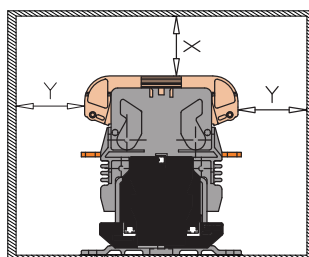
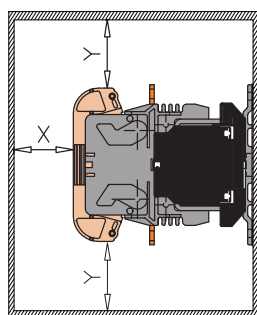
* For details please refer to dedicated technical note

Description

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

Electrical Characteristics		
Rated Operational Voltage [V _{ac} / V _{dc}]	3000	
Max Operational Voltage [V _{ac} / V _{dc}]	4000	
Rated Insulation Voltage [V]	4000	
	Series Connected	Parallel Connected
Conventional Free Air Thermal Current [A] at 75°C	50	100
DC-Rated Operational Current (τ=15ms) [A]		
3000V	35	20
1500V	70	45
DC-Maximum Breaking Capacity (τ=15ms) [A]		
3000V	50	35
1500V	100	70
AC-Maximum Breaking Capacity (cosφ=0,8; 50Hz) [A]		
3000V	80	50
1500V	160	100
Short Circuit Withstand Capacity for 5ms [kA]	2	4
Critical Current Range [A]	Reverse Current	
Fault Making Capacity [kA]	1.2	2.4
Component Category / Operational Frequency Class	A2 / C3	
Blow Out Circuit Type	Permanent Magnet	

Minimum clearances
from metal parts [mm]
X = 120; Y = 120; Z = 50



Switches

LTCH00602*A01

Mechanical Characteristics

Mechanical Endurance (cycles)	2x10 ⁶
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	4

Control Circuit

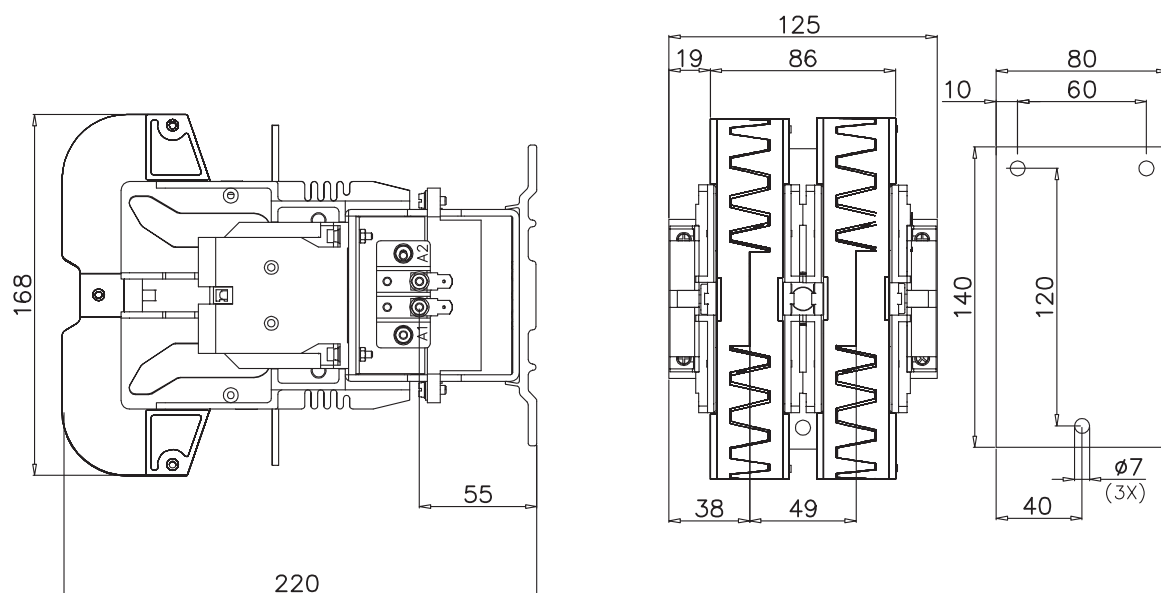
Control Voltage Range	0.7U _c ÷ 1.25U _c
Power Consumption (U _c and T = 20°C) at Pick Up - when Holding [W]	85 - 25
Mechanical Operation Time (U _c and T = 20°C) when Closing - Opening [ms]	80 - 40
Time Constant (L/R) at Pick Up - when Holding [ms]	75 - 90
Electrical Connections	Fast-On 6.35x0.8mm - Screw M4

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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