## Switches



## LTHS00602\*A00

Туре	LTHS 60
Number of Poles	2 NO
Mounting Position	Horizontal - Vertical
Control Voltage Rating [Vdc]	12 ÷ 500
Auxiliary Contact Blocks	Max 4 x (1 NO + 1 NC or 2 NO)
Block Type*	SK - SL
Arc chute Material	Ceramic
Contact Tips Material*	S6

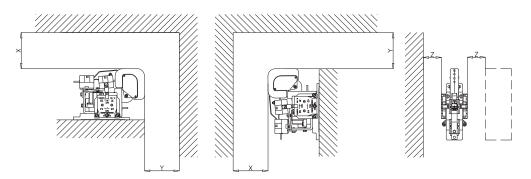
<sup>\*</sup> For details please refer to dedicated technical note

## Description

Contactor with single interruption in air, electromagnetic control by full power coil. Single state functioning. Reference standard IEC 60077.

Electrical Characteristics			
Rated Operational Voltage [Vac / Vdc]	7	750	
Max Operational Voltage [Vac / Vdc]	1	1000	
Rated Insulation Voltage [V]	1	1000	
	Series Connected	Parallel Connected	
Conventional Free Air Thermal Current [A] at 75°C	60	120	
DC-Rated Operational Current (τ=15ms) [A]			
750V	130	60	
400V	250	115	
DC-Maximum Breaking Capacity (τ=15ms) [A]			
750V	220	100	
400V	420	190	
AC-Maximum Breaking Capacity (cosφ=0,8; 50Hz) [A]			
750V	240	110	
400V	450	200	
Short Circuit Withstand Capacity for 5ms [kA]	3	5	
Critical Current Range [A]	<3 at 750 V <sub>dc</sub>	<5 at 750 V <sub>dc</sub>	
Fault Making Capacity [kA]	1.8	3	
Component Category / Operational Frequency Class	A2	A2 / C3	
Blow Out Circuit Type	Inc	lirect	

Minimum clearances from metal parts [mm] X = 75; Y = 75; Z = 30





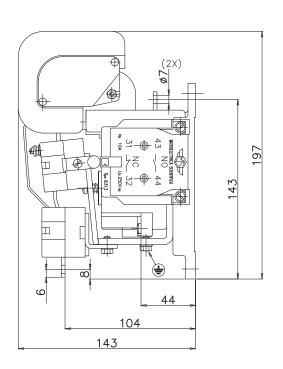
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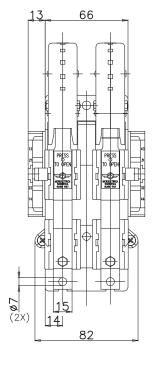
Mechanical Characteristics	
Mechanical Endurance (cycles)	2x10 <sup>6</sup>
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	2.7

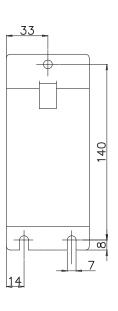
Control Circuit	
Control Voltage Range	0.7Uc ÷ 1.25Uc
Power Consumption ( $U_c$ and $T = 20^{\circ}C$ ) at Pick Up - when Holding [W]	16 - 16
Mechanical Operation Time (U <sub>c</sub> and T = 20°C) when Closing - Opening [ms]	85 - 20
Time Constant (L/R) at Pick Up - when Holding [ms]	40 - 50
Electrical Connections	Fast-On 6.35x0.8mm - Screw M4

Auxiliary Contacts	
Tips material	Solid Silver (Gold plating opt)
Rated Operational Voltage [Vac / Vdc]	250
Rated Current [A]	10 (RK=0.5)
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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