

## STANDARD FAMILY CODE LTHH06021EA02

Family Type	LTE 2-600
Number / Type of Poles	1 / NO
Mounting Position	Horizontal - Vertical <sup>1</sup>
Control Voltage Rating Uc (DC) [V]	24 - 36 - 48 - 72 - 110 <sup>1</sup>
Auxiliary Contact Blocks	2 x (1 NO 1 NC)
Block Type	PBX
Arc-chute Material	Ceramic
Main Contacts Tips Material	S6
Arcing Contacts Tips Material	S4
Electric Diagram	SC27219
Layout Drawing	D48052

<sup>1</sup> To be specified in order phase.



## Description

Contactor with single interruption in air, electromagnetic control by starter power system plus saving resistor. Single state functioning. Reference Standards IEC 60077, IEC 61992 and IEC 60947.

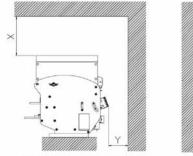
Rated Operational Voltage (AC / DC)		[V]	1800 / 900	
Max Operational Voltage (AC / DC)		[V]	2000	
Rated Insulation Voltage		[V]	4000	
Rated Impulse Voltage		[kV]	30	
Rated Power Frequency Withstand Voltage (50 Hz for	60 s)			
Between HV to LV Circuit + Earth		[V]	10000	
Between Open Contacts		[V]	7900	
Between Each Pole (if more than 1)		[V]	-	
Between LV Circuit and Earth		[V]	1500	
Minimum Clearance Distance between Open Contact	s	[mm]	32	
Minimum Clearance Distance between Power Circuit	to Earth	[mm]	40	
Minimum Creepage Distance between Power Circuit t	o Earth	[mm]	50	
Comparative Tracking Index (CTI) (IEC 60112)		[V]	600	
Electrical Characteristics				
Conventional Free Air Thermal Current at 40 $^\circ$ C <sup>2</sup>	[A]		900	
Conventional Free Air Thermal Current at 75 °C <sup>2</sup>	[A]		800	
DC - Rated Operational Current ( $\tau = 15 \text{ ms}$ )				
1800 V	[A]		500	
900 V	[A]		1050	
DC - Maximum Breaking Capacity ( $\tau = 5 \text{ ms}$ )				
1800 V	[A]		650	
900 V			1400	
AC - Maximum Breaking Capacity ( $\cos \varphi = 0.8$ ; 50 Hz)				
1800 V	[A]		1000	
900 V	[A]		1900	
Component Category / Operational Frequency Class			A2/C3	
Rated Short Time Withstand Current	[kA]		16 (for 5 ms) or 10 (for 100ms	
Critical Current Range	[A]		None	
Fault Making Capacity	[kA]		9.6	
Blow Out Circuit Type			Indirect Coil with Arcing Contact	

<sup>2</sup> Device cabled according IEC 60947

<sup>3</sup> Other mounting positions not allowed, reduced distances should be approved by Microelettrica

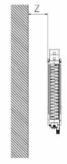
Minimum clearances [mm] from:				
Rated Op Voltage	perational	х	Y	Z
1800 V	Metal Parts	120	50	50
	Plastic Parts	50	30	20

Minimum clearances [mm] from:				
Rated Op Voltage	perational	х	Y	Z
900 V	Metal Parts	100	50	30
	Plastic Parts	50	30	20



HORIZONTAL MOUNTING3

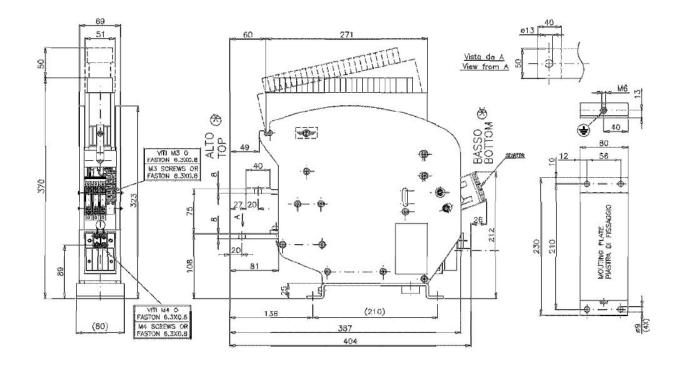




Mechanical Characteristics				
Mechanical Endurance	[cycles]	2 x 10 <sup>6</sup>		
Shock and Vibrations (IEC 61373)		Cat.1 - Class B		
Weight	[kg]	13		
Control Circuit				
Control Voltage Range	[V]	0.7Uc ÷ 1.25Uc		
Power Consumption (Uc and T = 20 $^{\circ}$ C) at Pick Up - when Holding	[W]	300 - 50		
Mechanical Operation Time (Uc and $T = 20 \degree C$ ) when Closing - Opening	[ms]	100 - 45		
Time Constant (L/R) at Pick Up - when Holding	[ms]	5 - 5		
Electrical Connections		Fast-on 6.35 x 0.8 mm		
Auxiliary Contact				
Rated Operational Voltage (AC / DC)	[V]	250		
Conventional Free Air Thermal Current at 40 °C	[A]	10		
Tips Material		Silver Alloy (Optional: Golden Plated)		
Minimum Let-through Current at 24 - 72 - 110 VDC <sup>4</sup>	[mA]	20(10) - 15(7.5) - 10(5) <sup>4</sup>		
Electrical Connections		Fast-on 6.35 x 0.8 mm		
Environmental Conditions				
Stock Temperature Range	[°C]	-50 ÷ +85		
Operational Temperature Range	[°C]	Tx (-40 ÷ +75) <sup>5</sup>		
Pollution Degree - Overvoltage Category (EN 50124-1)		PD3 - OV3		
Max Altitude without Performance Derating	[m]	2000		

<sup>4</sup> Reference Standard IEC 60947-5-4. Tested in a DRY and CLEAN condition with an LR load. The values with golden plated tips are indicated between brackets. For different working conditions, please contact Microelettrica

<sup>5</sup> According to IEC 50125-1



The technical specifications reported are not binding and they should be agreed in the contract.

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