

## **Standard Family Code** LTHS04011\*A02



## Description

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

Reference Standard IEC 60077, IEC 61992 and IEC 60947.

Туре	LTHS 400
Number of Poles	1 NO
Mounting Position	Horizontal - Vertical <sup>1</sup>
Control Voltage Rating Uc [Vdc]	24 - 36 - 48 - 72 - 110 <sup>1</sup>
Auxiliary Contact Blocks	2 x (1 NO + 1 NC)
Block Type	SL
Arc chute Material	Polyester Resin - Ceramic <sup>1</sup>
Main Contacts tips Material	S6
Arcing Contacts tips Material	-
Electric Diagram	-
Layout Drawing	D52034

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

Electrical Characteristics			
	000 / 40	201	
Rated Operational Voltage [Vac/Vdc]		900 / 1800 <sup>1</sup>	
Max Operational Voltage [Vac/Vdc]	2000	2000	
Rated Insulation Voltage [V]	2000	2000	
Conventional Free Air Thermal Current [A] at 40°C <sup>2</sup>	500	500	
Conventional Free Air Thermal Current [A] at 75°C <sup>2</sup>	400	400	
DC-Rated Operational Current ( $\tau$ =15ms) [A]	Polyester Resin arc chute	Ceramic arc chute	
1800V	140	225	
900V	440	665	
DC-Maximum Breaking Capacity (r=5ms) [A]			
1800V	330	415	
900V	830	1160	
AC-Maximum Breaking Capacity ( $\cos\phi=0.8$ ; 50Hz) [A]			
1800V	600	800	
900V	1200	2000	
Component Category / Operational Frequency Class	A2 / C	A2 / C3	
Short Circuit Withstand Capacity for 5ms [kA]	10	10	
Critical Current Range [A]	< 50 (U > 15	< 50 (U > 1500V <sub>dc</sub> )	
Fault Making Capacity [kA]	6	6	
Blow Out Circuit Type	Indirect	Indirect coil	

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

Rated Operational Voltage

900V

1800V

Metal Parts

Plastic Parts

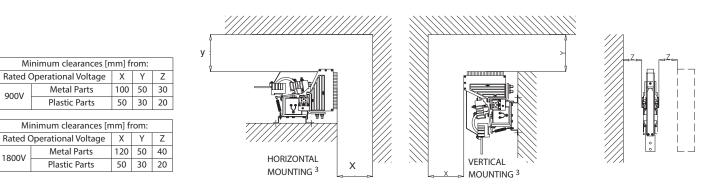
Metal Parts

Plastic Parts

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100

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<sup>3</sup> OTHER MOUNTING POSITIONS NOT ALLOWED

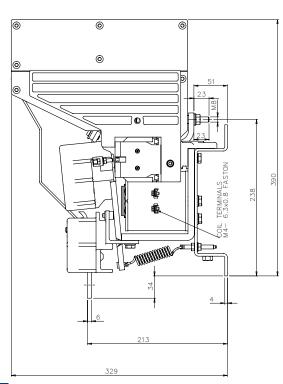


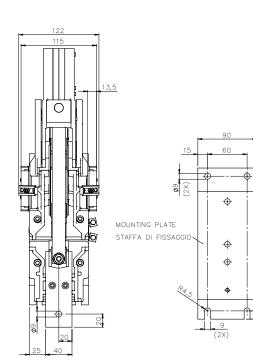


Mechanical Characteristics	
Mechanical Endurance (cycles)	2x10 <sup>6</sup>
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	13
Control Circuit	
Control Voltage Range	0.7Uc ÷ 1.25Uc
Power Consumption (U $_{c}$ and T = 20°C) at Pick Up - when Holding [W]	40-40
Mechanical Operation Time (U <sub>c</sub> and T = 20°C) when Closing - Opening [ms]	240 - 50
Time Constant (L/R) at Pick Up - when Holding [ms]	130 - 170
Electrical Connections	Fast-On 6.35x0.8mm
Auxiliary Contacts	
Tips material	Solid Silver
Rated Operational Voltage [Vac / Vdc]	250
Rated Current [A]	10
Minimum Switching Current at 16V <sub>dc</sub> [mA] <sup>4</sup>	20
Electrical Connections	Fast-On 6.35x0.8mm

Environmental Conditions	
Stock Temperature Range	-50°C ÷ +85°C
Operational Temperature Range	$Tx (-40^{\circ}C \div +75^{\circ}C)^{5}$
Pollution Degree - Overvoltage Category (EN 50124-1)	PD3 - OV3
Max Altitude without Performance Derating [m]	2000

<sup>4</sup> In clean and dry conditions <sup>5</sup> In according to IEC50125-1









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