

## STANDARD FAMILY CODE LTKS0901HX000

Туре	LTKS900
Number of Poles	1 NO + 1 NC
Mounting Position	Horizontal - Vertical <sup>1</sup>
Control Voltage Rating [V <sup>dc</sup> ]	24-110 <sup>1</sup>
Auxiliary Contact Blocks	3 (1NO+1NC) + 1CO
Block Type	Integrated
Main Contacts tips Material	Cu
Layout Drawing	D54132
Electric Diagram	SC27630

 $<sup>^{\</sup>scriptscriptstyle 1}\,\text{To}$  be specified in order phase.



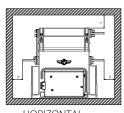
## Description

One pole normally opened and closed disconnector switch, electric motor control by electronic device, 2 positions, bi-stable. Reference standard IEC 60077-2.

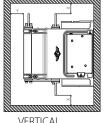
Electrical Characteristics	
Rated Operational Voltage [Vac / Vdc]	3600
Max Operational Voltage [Vac / Vdc]	4200
Conventional Free Air Thermal Current [A] at 40°C <sup>2</sup>	1050
Conventional Free Air Thermal Current [A] at 75°C <sup>2</sup>	900
Main circuit resistance $[\mu\Omega]^3$	<80
DC-Rated Operational Current ( τ=15ms) [A]	0
DC-Maximum Breaking Capacity ( τ=5ms) [A]	0.2
AC-Maximum Breaking Capacity (cosφ=0,8) [A]	0.5
Short Circuit Withstand Capacity for 100ms [kA]	50
Fault Making Capacity @ 100V (τ=0ms) [A]	50
Component Category / Operational Frequency Class	A4 / C3
Insulation Characteristics	
Rated Insulation Voltage @ OV4/PD3A [V]	3700
Rated Insulation Voltage @ OV3/PD3 [V]	4800
Rated impulse voltage [kV]	30
Rated Power Frequency Withstand Voltage (50Hz; 60")	
Between HV circuit and LV circuit+Earth [V]	11600
Between open contacts [V]	9200
Between each pole (if more than 1) [V]	11600
Between LV circuit and Earth [V]	1500
Minimum clearance distance between open contacts [mm]	80
Minimum clearance distance between HV circuit and LV circuit+earth [mm]	40
Minimum creapage distance [mm]	80
Comparative Tracking Index (CTI) (IEC 60112) [V]	600

 $<sup>^{2}</sup>$  Device cabled according IEC 60947  $^{-3}$  In new and clean condition for power loss calculation only

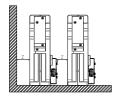
<sup>&</sup>lt;sup>4</sup> Other mounting positions not allowed



HORIZONTAL MOUNTING <sup>4</sup>



VERTICAL MOUNTING <sup>4</sup>

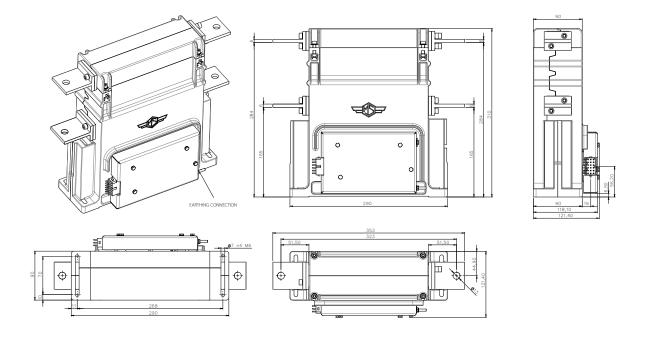


Minimum clearances [mm] from:				
Rated Operational Voltage		X	Υ	Z
3600V	Metal Parts	50	50	30
	Plastic Parts	30	30	30

Mechanical Characteristics		
Mechanical Endurance (cycles)	2.5x10 <sup>5</sup>	
Shock and Vibrations (IEC61373)	Cat. 1 - Class B	
Weight [kg]	11	
Control Circuit		
Control Voltage Range	0.7Uc ÷ 1.25Uc	
Power Consumption (Uc and T = $20^{\circ}$ C) at Pick up - when operating - at Holding [W]	100 - 30 - 0	
Mechanical Operation Time (Uc and T = $20^{\circ}$ C) when Closing - Opening [ms]	3000 - 3000	
Mechanical Operation Time (in the worst condition) [ms]	4000 - 4000	
Electrical Connections	Low voltage connector SMS 18GE63	
Auxiliary Contacts		
Tips material	Silver Alloy	
Rated Operational voltage [Vac / Vdc]	250	
Rated Current [A]	5	
Environmental Conditions		
Stock Temperature Range	-50°C ÷ +85°C	
Operational Temperature Range up to 1000m	Tx (-40°C ÷ +75°C) <sup>5</sup>	
Operational Temperature Range up to 2000m	T2 (-40°C ÷ +65°C) <sup>5</sup>	
Humidity	10 ÷ 95% RH <sup>6</sup>	

<sup>&</sup>lt;sup>5</sup> According to IEC50125-1

<sup>&</sup>lt;sup>6</sup> According to IEC 62498-1



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

## For further technical information on our products visit www.microelettrica.com

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