

SWITCHES

STANDARD FAMILY CODE LTHM15012XA00

Туре	LTHMD 1500
Number of Poles	2 NO
Mounting Position	Horizontal - Vertical ¹
Control Voltage Rating [V ^{dc}]	24 - 36 - 72 - 110 ¹
Customer Auxiliary Blocks	2 (1 NO + 1 NC)
Feedback Signal Scope	AUX C (a1, b1)
reedback signal scope	AUX D (a0, b0)
Block Type	PBX
Contact Material	Cu
Electric Diagram	SC27695
Layout Drawing	D55027

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



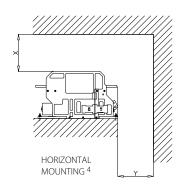
Description

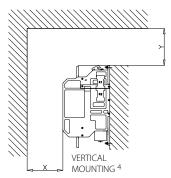
Disconnector switch, electric motor control with out auxiliary relay, 2 positions, bi-stable. Reference standard IEC 60077-2(2017), IEC 61992 and IEC 60947.

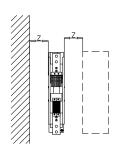
Electrical Characteristics	
Rated Operational Voltage [Vac / Vdc]	3600
Max Operational Voltage [Vac / Vdc]	4000
Conventional Free Air Thermal Current [A] at 40°C ²	1500
Conventional Free Air Thermal Current [A] at 75°C ²	1350
Main circuit resistance $[\mu\Omega]^3$	60
DC-Rated Operational Current (τ=15ms) [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 5ms [kA]	140
Component Category / Operational Frequency Class	A4 / C3
Insulation Characteristics	
Rated Insulation Voltage [V]	4000
Pollution Degree - Overvoltage Category (EN 50124-1)	PD3/OV3
Rated impulse voltage [kV]	30
Rated Power Frequency Withstand Voltage (50Hz; 60")	
hated Fower Frequency Withstand Voltage (5012, 00)	
Between HV to LV circuit + Earth [V]	10000
	10000 7900
Between HV to LV circuit + Earth [V]	
Between HV to LV circuit + Earth [V] Between open contacts [V]	7900
Between HV to LV circuit + Earth [V] Between open contacts [V] Between each pole (if more than 1) [V]	7900 10000
Between HV to LV circuit + Earth [V] Between open contacts [V] Between each pole (if more than 1) [V] Between LV circuit to Earth [V]	7900 10000 1500
Between HV to LV circuit + Earth [V] Between open contacts [V] Between each pole (if more than 1) [V] Between LV circuit to Earth [V] Minimum clearance distance Between open contacts [mm]	7900 10000 1500 32

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

⁴ Other mounting positions not allowed, reduced distances should be approved by Microelettrica.



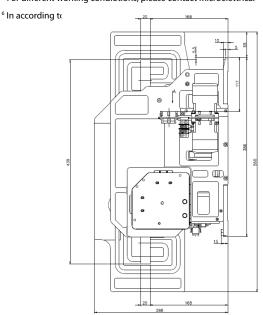




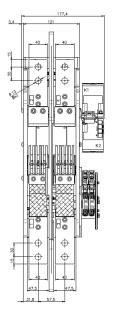
Minimum clearances [mm] from:				
Rated Operational Voltage		X	Υ	Z
4000V	Metal Parts	50	50	30
	Plastic Parts	30	30	30

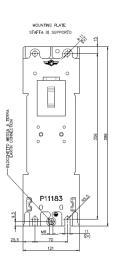
Mechanical Characteristics		
Mechanical Endurance (cycles)	2.5x10⁵	
Shock and Vibrations (IEC61373)	Cat. 1 - Class B	
Weight [kg]	15	
Control Circuit		
Control Voltage Range $0.7U_c \div 1.25U_c$		
Power Consumption (Uc and T = 20° C) at Pick Up - when Holding [W]	35 - 0	
Mechanical Operation Time (U_c and $T=20^{\circ}C$) when Closing - Opening [ms]	3000 - 3000	
Mechanical Operation Time (in the worst condition) [ms]	6000 - 6000	
Electrical Connections	Connector SOURIAU SMS24R3	
Auxiliary Contacts		
Rated Operational Voltage [Vac / Vdc]	250	
Conventional Free Air Thermal Current [A] at 40° C	10	
Tips material Rated Current [A]	Silver Alloy (Optional: Golden Plated)	
Minimum Let-Through Current at 24/72/110Vdc [mA] ⁵	20(10)/15(7.5)/10(5)	
Electrical Connections	Connector SOURIAU SMS24R3	
Environmental Conditions		
Stock Temperature Range	-50°C ÷ +85°C	
Operational Temperature Range	Tx (-40°C ÷ +75°C) ⁶	

⁵ Reference standard IEC 60947-5-4. Tested in a DRY and CLEAN condition with an LR load. For different working condiotions, please contact Microelettrica.



Max Altitude without Performance Derating [m]





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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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((C)) NEW YORK AIR BRAKE









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