

SWITCHES

STANDARD FAMILY CODE LTHM 15013XA00

Туре	LTHMD1500
Number of Poles	3 NO
Mounting Position	Horizontal - Vertical ¹
Control Voltage Rating [V ^{dc}]	24 - 36 - 72 - 110 ¹
Auxiliary Contact Blocks	4 NO+ 4 NC
Foodback Signal Scope	AUX e (a0, b0)
Feedback Signal Scope	AUX D (al, bl)
Block Type	PBX
Main Contacts tips Material	Cu
Electric Diagram	SC27695
Layout Drawing	D55098

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



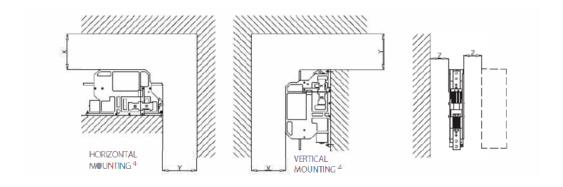
Description

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

Electrical Characteristics				
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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]	90			
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			
2 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
Rated Power Frequency Withstand Voltage (50Hz; 60")				
Rated Power Frequency Withstand Voltage (50Hz; 60") 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			

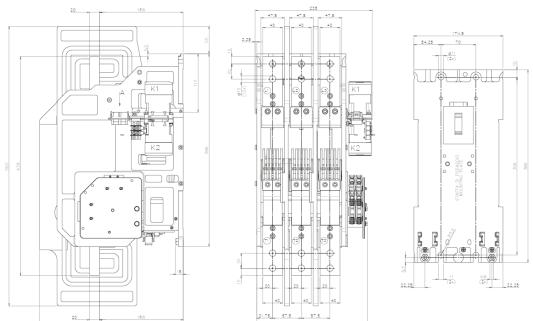
 $^{^{2}}$ Device cabled according IEC 60947 $^{-3}$ In new and clean condition for power loss calculation only

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

⁶ In according to IEC50125-1



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