

SWITCHES

STANDARD FAMILY CODE LTHM15011XAA0

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 B (a0, b0)
геецраск зідпаі эсоре	AUX A (a1, b1)
Block Type	PBX
Contact Material	Cu
Electric Diagram	SC27674
Layout Drawing	D54933

¹ To be specified in order phase.



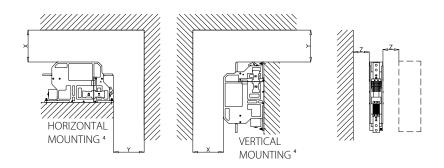
Description

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		
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		
Main circuit resistance $[\mu\Omega]^3$		
DC-Rated Operational Current (τ=15ms) [A]		
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")		
Between HV to LV circuit + Earth [V]	10000	
Between open contacts [V]	7900	
Between each pole (if more than 1) [V]	10000	
Between LV circuit to Earth [V]	1500	
Minimum clearance distance Between open contacts [mm]	32	
Minimum clarence distance between power circuit to earth [mm]	40	
Minimum creapage distance 50		
Willing Creapage distance		

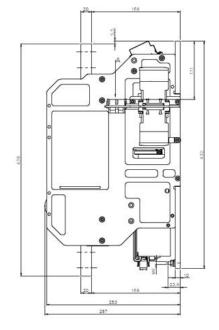
 $^{^{2}}$ Device cabled according IEC 60947 $^{-3}$ In new and clean condition for power loss calculation only

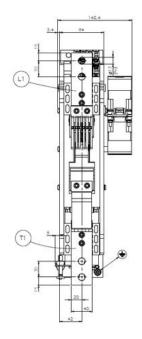
⁴ Other mounting positions not allowed

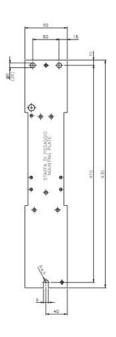


Minimum clearances [mm] from:					
Rated Operational Voltage		X	Υ	Z	
4000V	Metal Parts	50	50	30	
	Plastic Parts	30	30	30	

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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NEW YORK AIR BRAKE















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.