

SWITCHES

STANDARD FAMILY CODE LTHM08012XA00

Туре	LTHMD 800
Number of Poles	2 NO
Mounting Position	Horizontal - Vertical ¹
Control Voltage Rating [V ^{dc}]	24 - 36 - 72 - 110 ¹
Auxiliary Contact Blocks	4 (1 NO + 1 NC)
Feedback Signal Scope	AUX C (a0, b0)
reedback signal scope	AUX D (a1, b1)
Block Type	PBX
Contact Material	Cu
Electric Diagram	SC27695
Layout Drawing	D53818

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



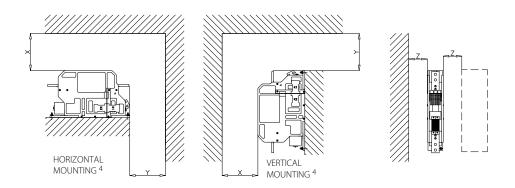
Description

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	800
Conventional Free Air Thermal Current [A] at 75°C ²	720
Main circuit resistance $[\mu\Omega]^3$	200
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
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
Compartive Tracking Index (CTI) (IEC 60112) [V]	600

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

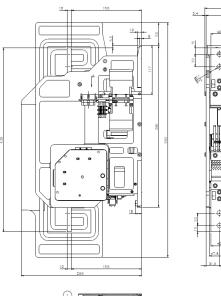
⁴ Other mounting positions not allowed, reduced distances should be approved by Microelettrica.

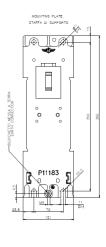


Minimum clearances [mm] from:				
Rated Operational Voltage		X	Υ	Z
4000V	Metal Parts	50	50	30
	Plastic Parts	30	30	30

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

⁶ In according to IEC50125-¹







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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.