

SWITCHES

STANDARD FAMILY CODE LTHM08011XA00

Туре	LTHMD 800
Number of Poles	1 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 B (a0, b0)
	AUX A (a1, b1)
Block Type	PBX
Contact Material	Cu
Electric Diagram	SC27674
Layout Drawing	D54934

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



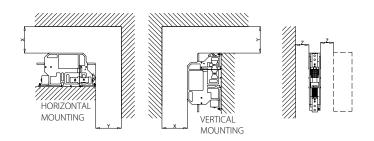
Description

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 [V _{ac} / V _{dc}] 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

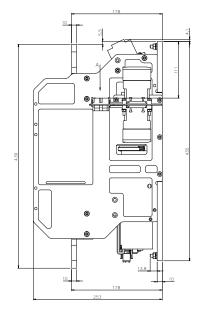
 $^{^{2}}$ Device cabled according IEC 60947 $^{-3}$ In new and clean condition for power loss calculation only

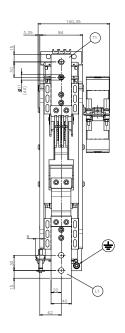
 $^{^{4}}$ Other mounting positions not allowed, reduced distances should be approved by Microelettrica.

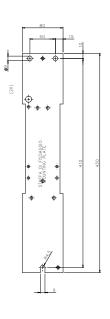


Minimum clearances [mm] from:					
Rated Operational Voltage		X	Υ	Z	
4000V	Metal Parts	50	50	30	
	Plastic Parts	30	30	30	

⁵ According to EN 50125-1







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

Microelettrica Scientifica S.p.A.

20090 Buccinasco (MI) , Via Lucania 2, Italy

Tel.: +39 02 575731

E-mail: info@microelettrica.com www.microelettrica.com



((C)) KNORR-BREMSE	«®» SELECTRON
((K)) NEW YORK AIR BRAKE	«(C)» KIEPE ELECTRIC
«(C)»	(C)
((R)) MERAK	«®» ZELISKO

«®» MIGROELETTRICA «®» RAILSERVICES

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