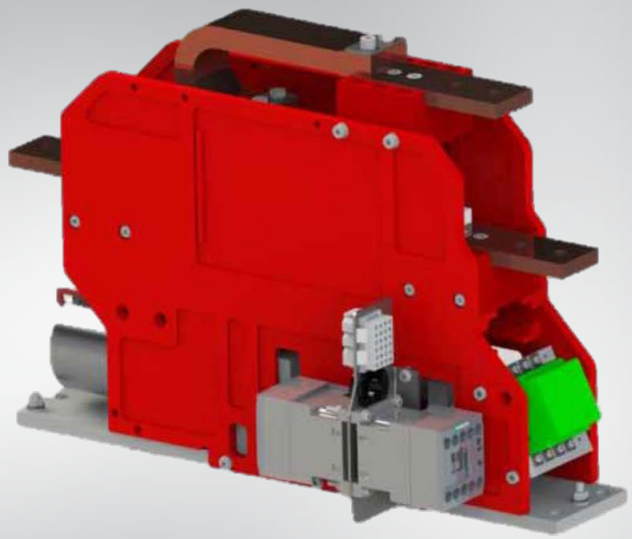


SWITCHES

STANDARD FAMILY CODE
LTHM0811XP00

Type	LTHMD 800
Number of Poles	1 CO
Mounting Position	Horizontal - Vertical[1]
Control Voltage Rating [V^{dc}]	24 - 36 - 72 - 110[1]
Auxiliary Contact Blocks	4 NO + 4 NC
Feedback Signal Scope	AUX C (a0, b0)
	AUX D (a1, b1)
Block Type	PBX
Main Contacts tips Material	Cu
Electric Diagram	SC27770
Layout Drawing	D55268

[1] To be specified in order phase.

MICROELETTRICA

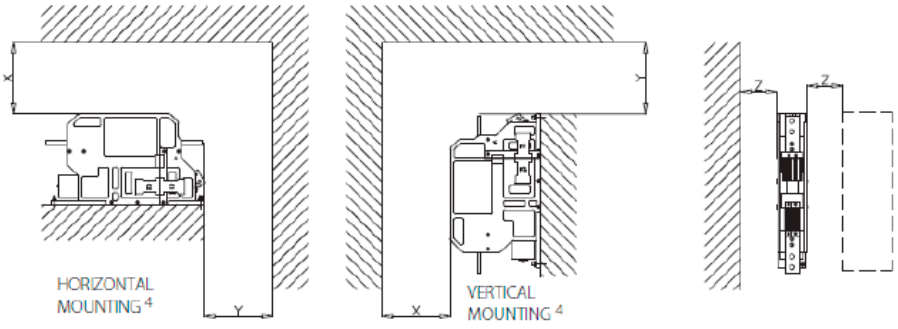
Description

1 pole Disconnector change over 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 [V_{ac} / V_{dc}]	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 [μΩ][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
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 creepage distance	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.



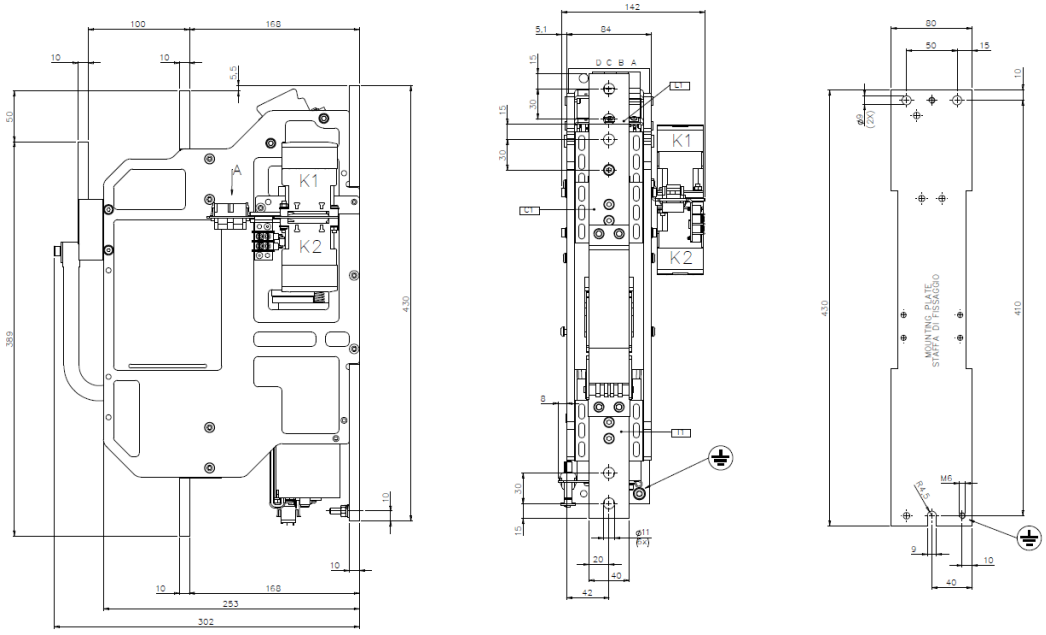
Minimum clearances [mm] from:				
Rated Operational Voltage		X	Y	Z
4000V	Metal Parts	50	50	30
	Plastic Parts	30	30	30

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

Mechanical Characteristics	
Mechanical Endurance (cycles)	$2.5x10^5$
Shock and Vibrations (IEC61373)	Cat. 1 - Class B
Weight [kg]	11
Control Circuit	
Control Voltage Range	$0.7U_c \div 1.25U_c$
Power Consumption (U_c and T = 20°C) at Pick Up - when Holding [W]	35 - 0
Mechanical Operation Time (U_c and T = 20°C) when Closing - Opening [ms]	3000 - 3000
Mechanical Operation Time (in the worst condition) when Closing - Opening [ms]	6000 - 6000
Electrical Connections	Low voltage connector Burndy SMS 24R3
Auxiliary Contacts	
Rated Operational Voltage [V_{ac} / V_{dc}]	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 24/72/110V_{dc} [mA][5]	20(10)/15(7.5)/10(5)
Electrical Connections	Low voltage connector SOURIAU SMS24R3
Environmental Conditions	
Stock Temperature Range	-50°C ÷ +85°C
Operational Temperature Range	Tx (-40°C ÷ +75°C)[6]
Max Altitude without Performance Derating [m]	2000

[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.

[6] In accordina to IEC50125-1



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For further technical information on our products visit www.microelettrica.com

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