

STANDARD FAMILY CODE LTMP10002*P00

Туре	LTMP 1000
Number of Poles	2CO
Mounting Position	Horizontal - Vertical ¹
Control Voltage Rating [V ^{dc}]	24
Auxiliary Contact Blocks	2 CO for each pole
Block Type	V3
Contact Material	Cu
Electric Diagram	SC27466
Layout Drawing	D53036

¹ To be specified in order phase.



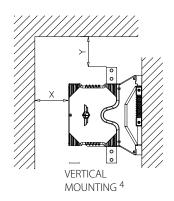
Description

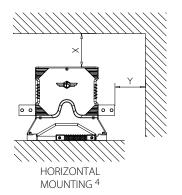
Modular multipole-Multiposition off-load disconnector, electric motor control without auxiliary relay, 2 position bi-stable. Reference standard IEC 60077-2, IEC 61992 and IEC 60947.

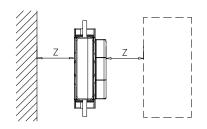
Electrical Characteristics		
Rated Operational Voltage [Vac / Vdc]	3600	
Max Operational Voltage [Vac / Vdc]	4000	
Conventional Free Air Thermal Current [A] at 40°C ²	1200	
Conventional Free Air Thermal Current [A] at 75°C ²	1000	
Main circuit resistance $\left[\mu\Omega\right]^3$	50	
DC-Rated Operational Current (τ=15ms) [A]	0	
DC-Maximum Breaking Capacity (τ=5ms) [A]	0.4	
AC-Maximum Breaking Capacity (cosφ=0,8) [A]	1	
Short Circuit Withstand Capacity for 5ms [kA]	120	
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 circuit to Earth [V]	10000	
Between HV to LV circuit [V]	10000	
Between open contacts [V]	7900	
Between each pole (if more than 1) [V]	7900	
Between LV circuit to Earth [V]	1500	
Minimum clearance distance Between open contacts [mm]	40	
Minimum clarence distance between power circuit to earth [mm]	40	
Minimum creapage distance	50	
Comparative 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.





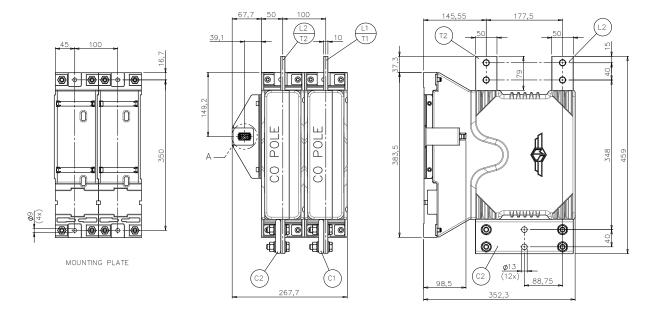


Minimum clearances [mm] from:				
Rated Operational Voltage		X	Υ	Z
4000V	Metal Parts	50	50	30
	Plastic Parts	30	30	30

Mechanical Characteristics			
Mechanical Endurance (cycles)	2.5x10 ⁵		
Shock and Vibrations (IEC61373)	Cat. 1 - Class B		
Weight [kg]	30		
Control Circuit			
Control Voltage Range	0.7Uc ÷ 1.25Uc		
Power Consumption (U _c and $T = 20$ °C) at Pick Up - when Holding [W]	25 - 0 (for each pole)		
Mechanical Operation Time (U_c and $T = 20$ °C) when Closing - Opening [ms]	3000 - 3000		
Mechanical Operation Time (in the worst condition) [ms]	6000 - 6000		
Electrical Connections	Low voltage connector Soriau SMS12R3		
Auxiliary Contacts			
Rated Operational Voltage [Vac / Vdc]	250		
Conventional Free Air Thermal Current [A] at 40° C	10 Silver Alloy (Optional: Golden Plated)		
Tips material Rated Current [A]			
Minimum Let-Through Current at 24/72/110Vdc [mA] ⁵	20(10)/15(7.5)/10(5)		
Electrical Connections	Low voltage connector Soriau SMS12R3		
Environmental Conditions			
	-50°C ÷ +85°C		
Environmental Conditions Stock Temperature Range Operational Temperature Range	-50°C ÷ +85°C Tx (-40°C ÷ +75°C) ⁶		

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.

⁶ 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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