

STANDARD FAMILY CODE LTMP20003XP00

Туре	LTMP 2000
Number of Poles	3CO
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	SC27714
Layout Drawing	D55582

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



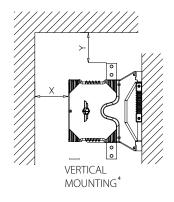
Description

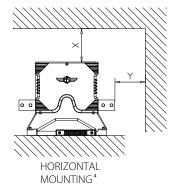
Modular multipole-Multiposition off-load disconnector, electric motor control without auxiliary relay, 2 position bi-stable. Reference standard IEC 60077-2, IEC 61992 and IEC 60947.

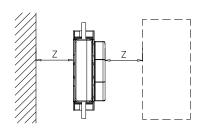
Electrical Characteristics	
Rated Operational Voltage [Vac / Vdc]	3600
Max Operational Voltage [Vac / Vdc]	4000
Conventional Free Air Thermal Current [A] at 40°C ²	2200
Conventional Free Air Thermal Current [A] at 75°C ²	2000
Main circuit resistance $[\mu\Omega]^3$	50
DC-Rated Operational Current (τ=15ms) [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]	180
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.





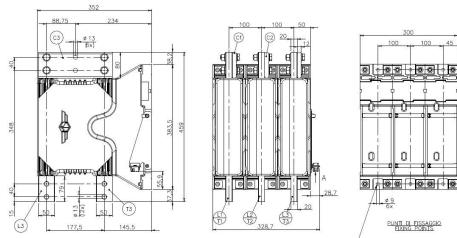


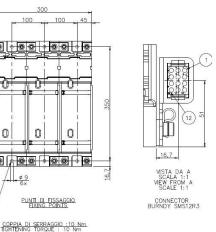
	Minimur	n clearances [n	nm] fro	m:	
	Rated Op Voltage	perational	X	Υ	Z
	4000V	Metal Parts	50	50	30
		Plastic Parts	30	30	30

Mechanical Characteristics	
Mechanical Endurance (cycles)	2.5x10⁵
Shock and Vibrations (IEC61373)	Cat. 1 - Class B
Weight [kg]	56,5
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 $T = 20^{\circ}C$) when Closing - Opening [ms]	3000 - 3000
Mechanical Operation Time (in the worst condition) [ms]	6000 - 6000
Electrical Connections	Low voltage Connector Souriau SMS12R3
Auxiliary Contacts	
Auxiliary Contacts Rated Operational Voltage [Vac / Vdc]	250
	10
Rated Operational Voltage [Vac / Vdc]	
Rated Operational Voltage [Vac / Vdc] Conventional Free Air Thermal Current [A] at 40° C	10 Silver Alloy (Optional: Golden
Rated Operational Voltage [Vac / Vdc] Conventional Free Air Thermal Current [A] at 40° C Tips material Rated Current [A]	10 Silver Alloy (Optional: Golden Plated)
Rated Operational Voltage [Vac / Vdc] Conventional Free Air Thermal Current [A] at 40° C Tips material Rated Current [A] Minimum Let-Through Current at 24/72/110Vdc [mA] ⁵	10 Silver Alloy (Optional: Golden Plated) 20(10)/15(7.5)/10(5) Low voltage Connector Souriau
Rated Operational Voltage [Vac / Vdc] Conventional Free Air Thermal Current [A] at 40° C Tips material Rated Current [A] Minimum Let-Through Current at 24/72/110Vdc [mA] ⁵ Electrical Connections	10 Silver Alloy (Optional: Golden Plated) 20(10)/15(7.5)/10(5) Low voltage Connector Souriau
Rated Operational Voltage [Vac / Vdc] Conventional Free Air Thermal Current [A] at 40° C Tips material Rated Current [A] Minimum Let-Through Current at 24/72/110Vdc [mA] ⁵ Electrical Connections Environmental Conditions	10 Silver Alloy (Optional: Golden Plated) 20(10)/15(7.5)/10(5) Low voltage Connector Souriau SMS12R3

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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