

# SWITCHES

## STANDARD FAMILY CODE LTHM0814XP00

Туре	LTHMD 800
Number of Poles	4 CO
Mounting Position	Horizontal - Vertical <sup>1</sup>
Control Voltage Rating [V <sup>dc</sup> ]	24 - 36 - 72 - 110 <sup>1</sup>
Auxiliary Contact Blocks	4 NO + 4 NC
Feedback Signal Scope	AUX C (a0, b0)
геециаск зіднаї эсоре	AUX D (a1, b1)
Block Type	PBX
Main Contacts tips Material	Cu
Electric Diagram	SC27690
Layout Drawing	D55343

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



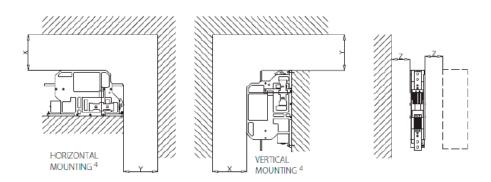
#### Description

3 poles 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 [Vac / Vdc]	3600		
Max Operational Voltage [Vac / Vdc]	4000		
Conventional Free Air Thermal Current [A] at 40°C <sup>2</sup>	800		
Conventional Free Air Thermal Current [A] at 75°C <sup>2</sup>	720		
Main circuit resistance $[\mu\Omega]^3$	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; 50Hz) [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 creapage distance	40		
Minimum creapage distance	50		
Compartive Tracking Index (CTI) (IEC 60112) [V]	600		

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

<sup>&</sup>lt;sup>4</sup> Other mounting positions not allowed, reduced distances should be approved by Microelettrica.

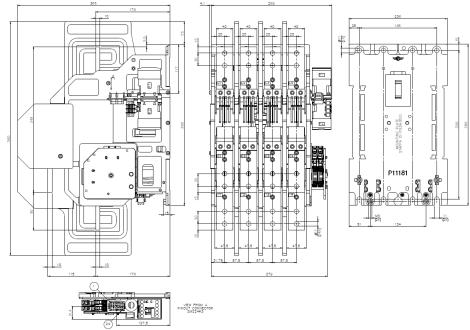


Minimum clearances [mm] from:				
Rated Operational Voltage		Х	Υ	Z
4000\/	Metal Parts	50	50	30
4000V	Plastic Parts	30	30	30

	Operational Temperature Range	Ix (-40°C ÷ +
	Max Altitude without Performance Derating [m]	2000
<sup>5</sup> Reference standard IEC 60947-5-4. Tested in a DRY and CLEAN condition with an LR load.		

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

<sup>&</sup>lt;sup>6</sup> In 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

#### Microelettrica Scientifica S.p.A.

20090 Buccinasco (MI) , Via Lucania 2, Italy

Tel.: +39 02 575731 E-mail: info@microelettrica.com

www.microelettrica.com



<b>((C))</b> KNORR-BREMSE	«®» SELECTRON
NEW YORK AIR BRAKE	«®» KIEPE ELECTRIC
«€» IFE	<b>≪®»</b> EVAC
«®» MERAK	«®» ZELISKO
«(C)» MICROELETTRICA	«(©)» RAILSERVICES