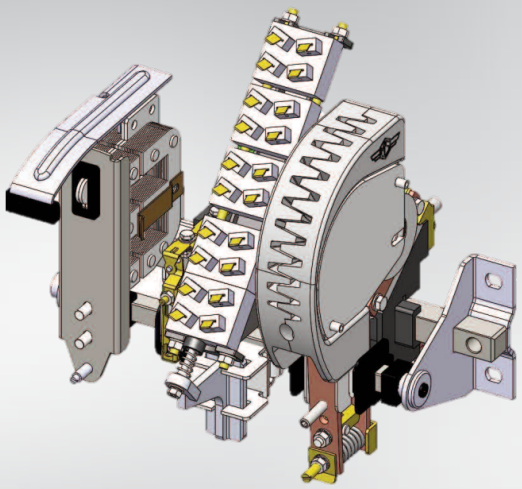


SWITCHES

STANDARD FAMILY CODE
N0000125P1B00

Type	N 125
Number of Poles	1 NC
Connection between poles	None
Mounting Position	Vertical
Control Voltage Rating Uc [Vdc]	110Vdc/Vac - 220Vdc/Vac
Auxiliary Contact Blocks	5 NO + 5 NC
Block Type	B
Arc chute Material	Plastic Shells
Main Contacts tips Material	S6
Arcing Contacts tips Material	-
Electric Diagram	TU0165/B (DC) - TU0165/C (AC)
Layout Drawing	D53564

[1] To be specified in order phase.

MICROELETTRICA

Description

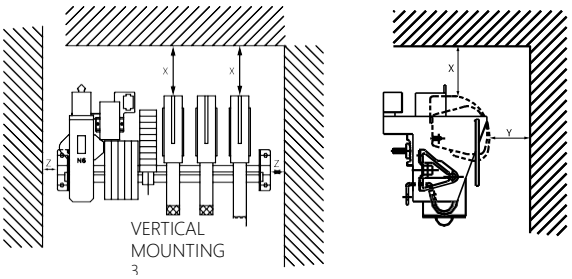
Contactor with single interruption in air, electromagnetic control by power-save system (economy resistor). Typical application control of all type of motor for standard or severe duty application. Control of resistive, inductive and capacitive circuits: heating, lighting, cosΦ rectification, normal stand-by.
Reference Standard IEC 60947-4-1.

Electrical Characteristics				
Rated Operational Voltage Ue [Vac/Vdc]	220	380	440	600
Rated Insulation Voltage Ui [Vdc]	1000			
Conventional Free air thermal current Ith [at 40°C] [2]	125			
Conventional Free air thermal current Ith [at 60°C] [2]	110			
Maximum Making Capacity for 100 ms Ich [kA]	1,8			
Short Circuit Withstand Current for 100 ms Icw [kA]	2,5			
Average impedance per pole at 50 Hz [uΩ]	450			
Blow out circuit type	Direct			
Electrical Characteristics 1NC pole (S6) for DC application				
Rated Operational Voltage [Vdc]	220	380	440	600
Maximum Breaking Capacity tau=15ms Idcmax [A]	4500	405	350	250
Utilization Category according to IEC60947-4-1: DC1&DC3				
Rated Operational Making Current [A]	220	130	110	80
Rated Operational Breaking Current [A]	110	60	50	40
Electrical Characteristics 1NC pole (S6) for AC application				
Rated Operational Voltage [Vac]	220	380	440	600
Maximum Breaking Capacity cosΦ=0,5 Iacmax [A]	1000	580	500	370
Utilization Category according to IEC60947-4-1: AC1&AC2&AC3				
Rated Power Pe [kW]	20	20	20	20
Rated Making and breaking Current Ie [A]	70	40	35	25
Utilization Category according to IEC60947-4-1: AC4				
Rated Power Pe [kW]	15	15	15	15
Rated Making and breaking Current Ie [A]	55	30	25	20

[2] Device cabled according to IEC 60947

[4] Other mounting positions not allowed

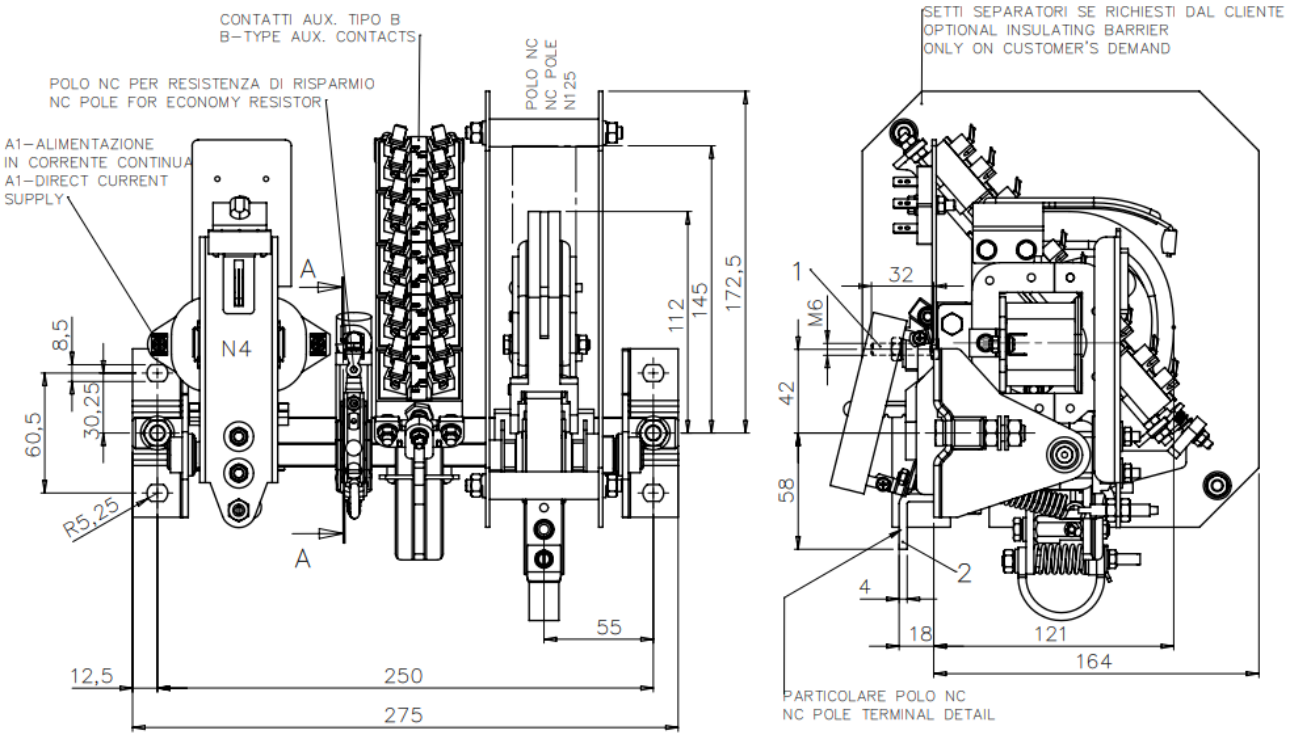
Minimum clearances [mm] from:				
Rated Insulation Voltage		X	Y	Z
1000	Metal Parts	100	50	30
	Plastic Parts	50	30	20



[3] **OTHER MOUNTING POSITIONS NOT ALLOWED**

Mechanical Characteristics	
Mechanical Endurance (cycles)[4]	1x10^6
Weight [kg]	3
Control Circuit	
Control Voltage Range	0.85U_c ÷ 1.1U_c
Power Consumption (Uc and T = 20°C) at Closing - at Opening [W]	130-15
Mechanical Operation Time (Uc and T = 20°C) when Closing - Opening [ms]	50-15
Mechanical Operation Time (in the worst condition) when Closing - Opening [ms]	200-20
Electrical Connections	Fast-On 6.35x0.8mm
Auxiliary Contacts	
Tips material	Solid Silver
Rated Operational Voltage [V_{ac} / V_{dc}]	250
Rated Current [A]	10
Minimum Switching Current at 16V_{dc} [mA] [5]	100
Electrical Connections	Fast-On 6.35x0.8mm
Environmental Conditions	
Stock Temperature Range	-25°C ÷ +60°C
Operational Temperature Range	-5°C ÷ +55°C
Max Altitude without Performance Derating [m]	2000

[4] With respect of the maintenance operations [5] In clean and dry conditions



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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