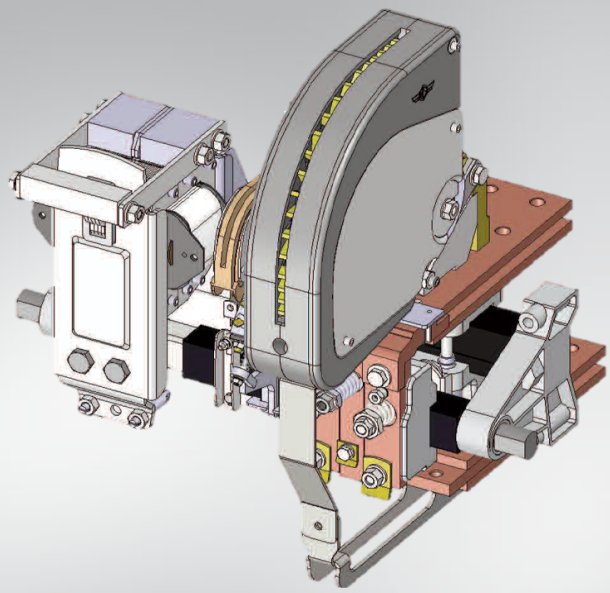


SWITCHES

STANDARD FAMILY CODE
N0003000P1A01

Type	N 3000
Number of Poles	1 NO
Connection between poles	None
Mounting Position	Vertical
Control Voltage Rating Uc [Vdc]	110Vdc/Vac - 220Vdc/Vac[1]
Auxiliary Contact Blocks	5 NO + 5 NC
Block Type	B
Arc chute Material	Ceramic in plastic shells
Main Contacts tips Material	S6
Arcing Contacts tips Material	S8
Electric Diagram	TU0165/B (DC) - TU0165/C (AC)
Layout Drawing	D53581

[1] To be specified in order phase.

MICROELETTRICA

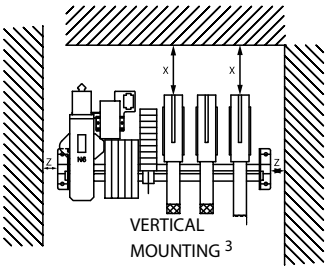
Description

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, cosfi rectification, normal stand-by.
Reference Standard IEC 60947-4-1.

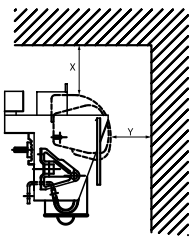
Electrical Characteristics				
Rated Operational Voltage Ue [Vac/Vdc]	220	380	440	600
Rated Insulation Voltage Ui [Vdc]	1000			
Conventional Free air thermal current Ith [at 40°C] [2]	3000			
Conventional Free air thermal current Ith [at 60°C] [2]	2650			
Maximum Making Capacity for 100 ms Ich [kA]	35			
Short Circuit Withstand Current for 100 ms Icw [kA]	40			
Average impedence per pole at 50 Hz [MicroOhm]	150			
Blow out circuit type	Indirect with arcing contact			
Electrical Characteristics 1NO pole (S6) for DC application				
Rated Operational Voltage [Vdc]	220	380	440	600
Maximum Breaking Capacity tau=15ms Idcmax [A]	17500	14500	12500	9200
Utilization Category according to IEC60947-4-1: DC1&DC3				
Rated Operational Power Pe [kW]	660	1150	1100	1100
Rated Operational Current Ie [A]	3000	3000	2500	1850
Utilization Category according to IEC60947-4-1: DC5				
Rated Operational Power Pe [kW]	495	-	-	-
Rated Operational Current Ie [A]	2250	-	-	-
Electrical Characteristics 1NO pole (S6) for AC application				
Rated Operational Voltage [Vac]	220	380	440	600
Maximum Breaking Capacity cosΦ=0,5 Iacmax [A]	30000	17400	15000	11000
Utilization Category according to IEC60947-4-1: AC1&AC2&AC3				
Rated Operational Power Pe [kW] (cosΦ=0,8)	530	910	950	950
Rated Operational Current Ie [A]	3000	3000	2700	2000
Utilization Category according to IEC60947-4-1: AC4				
Rated Operational Power Pe [kW] (cosΦ=0,8)	530	770	770	770
Rated Operational Current Ie [A]	3000	2500	2175	1600

[2] Device cabled according IEC 60947 [3] 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

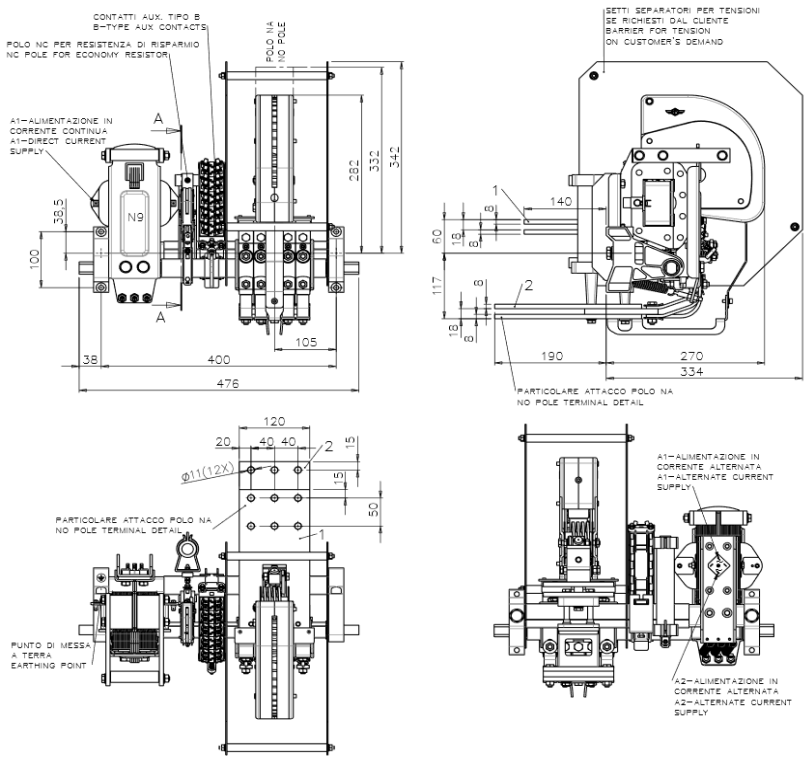


VERTICAL MOUNTING [3]



Mechanical Characteristics	
Mechanical Endurance (cycles)[4]	3x10^6
Weight [kg]	40
Control Circuit	
Control Voltage Range	0.85U_c ÷ 1.1U_c
Power Consumption (Uc and T = 20°C) at Closing - at Opening [W]	1500-80
Mechanical Operation Time (Uc and T = 20°C) when Closing - Opening [ms]	110-15
Mechanical Operation Time (in the worst condition) when Closing - Opening [ms]	450-20
Time Constant (L/R) at Pick Up - when Holding [ms]	
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



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