

SWITCHES

STANDARD FAMILY CODE N0001000P1A01

Type	N 1000
Number of Poles	1 NO
Connection between poles	None
Mounting Position	Vertical
Control Voltage Rating U_c [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	-
Electric Diagram	TU0165/B (DC) - TU0165/C (AC)
Layout Drawing	D53410

¹ To be specified in order phase.



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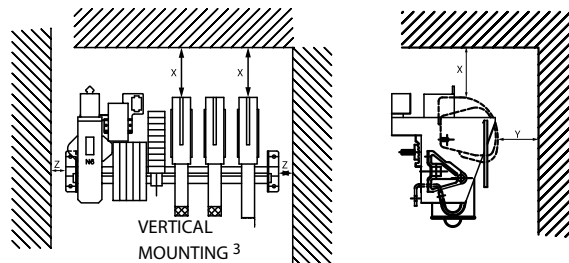
Description

Contactors 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			1000	
Conventional Free air thermal current Ith [at 60°C] ²			870	
Maximum Making Capacity for 100 ms I _{ch} [kA]			18	
Short Circuit Withstand Current for 100 ms I _{cw} [kA]			20	
Average impedance per pole at 50 Hz [MicroOhm]			335	
Blow out circuit type			Direct	
Electrical Characteristics 1NO pole (S6) for DC application				
Rated Operational Voltage [Vdc]	220	380	440	600
Maximum Breaking Capacity tau=15ms I _{dcmax} [A]	6500	5211	4500	3300
Utilization Category according to IEC60947-4-1: DC1&DC3				
Rated Operational Power P _e [kW]	220	380	400	400
Rated Operational Current I _e [A]	1000	1000	900	660
Utilization Category according to IEC60947-4-1: DC5				
Rated Operational Power P _e [kW]	180	-	-	-
Rated Operational Current I _e [A]	800	-	-	-
Electrical Characteristics 1NO pole (S6) for AC application				
Rated Operational Voltage [Vac]	220	380	440	600
Maximum Breaking Capacity cosΦ=0,5 I _{acmax} [A]	12500	7250	6250	4580
Utilization Category according to IEC60947-4-1: AC1&AC2&AC3				
Rated Operational Power P _e [kW] (cosΦ=0,8)	180	305	340	340
Rated Operational Current I _e [A]	1000	1000	970	710
Utilization Category according to IEC60947-4-1: AC4				
Rated Operational Power P _e [kW] (cosΦ=0,8)	180	270	270	270
Rated Operational Current I _e [A]	1000	900	775	570

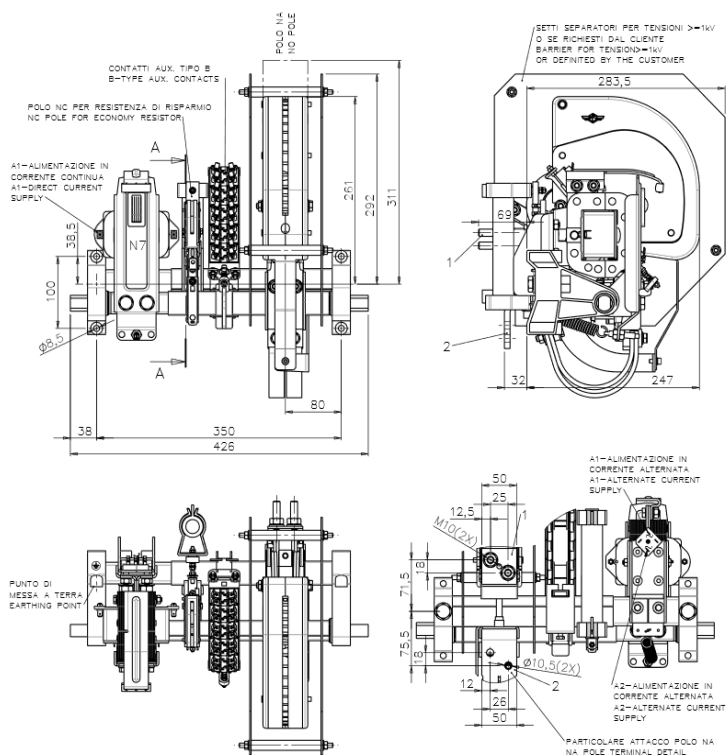
² Device cabled according IEC 60947 ³ Other mounting positions not allowed

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



Mechanical Characteristics	
Mechanical Endurance (cycles) ⁴	3x10 ⁶
Weight [kg]	23
Control Circuit	
Control Voltage Range	0.85U _c ÷ 1.1U _c
Power Consumption (U _c and T = 20°C) at Closing - at Opening [W]	650-30
Mechanical Operation Time (U _c and T = 20°C) when Closing - Opening [ms]	90-15
Mechanical Operation Time (in the worst condition) when Closing - Opening [ms]	350-20
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] ⁶	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

⁴With 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.

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