

SWITCHES

STANDARD FAMILY CODE N0002000P3A01

Туре	N 2000
Number of Poles	3 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	В
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	D53364

¹ To be specified in order phase.



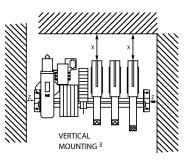
Description

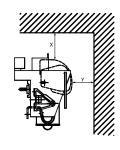
Contactor with single interruption in air, electromagnetic control by power save system (economy resistor). Typical application 3 Phase AC Motor control. Reference Standard IEC 60947-4-1.

Electrical Characteristics				
Rated Operational Voltage Ue [Vac]	220	380	600	690
Rated Insulation Voltage Ui [Vac]	1000			
Conventional Free air thermal current Ith [at 40°C] 2	2000			
Conventional Free air thermal current 1th [at 60° C] ²	1750			
Maximum Making Capacity for 100 ms lch [kA]	25			
Short Circuit Withstand Current for 100 ms lcw [kA]			30	
Average impedence per pole at 50 Hz [MicroOhm]			150	
Blow out circuit type	Indirect with arcing contact			
Electrical Characteristics 3NO pole (S6) for AC applicati	on			
Rated Operational Voltage Ue [Vac]	220	380	600	690
Maximum Breaking Capacity cosΦ=0,5 lacmax [A]	38000	22000	17200	15000
Utilization Category according to IEC60947-4-1: AC1&AC2&AC3				
Rated Operational Power Pe [kW]	520	900	1350	1350
Rated Operational Current le [A]	1800	1800	1800	1414
Utilization Category according to IEC60947-4-1: AC4				
Rated Operational Power Pe [kW]	470	810	1090	1090
Rated Operational Current le [A]	1600	1600	1600	1141
Exeptional Maximum Breaking Capacity @ 1000Vac cosΦ=0,5 [A]	10000			

 $^{\rm 2}$ Device cabled according IEC 60947 $^{\rm -3}$ Other mounting positions not allowed

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

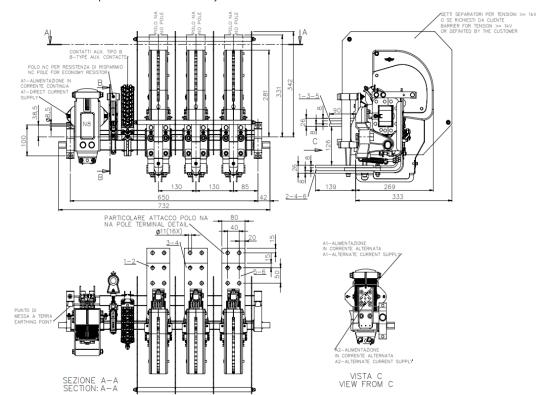




Mechanical Characteristics	
Mechanical Endurance (cycles) ⁴	1x10 ⁶
Weight [kg]	74
Control Circuit	
Control Voltage Range	$0.85U_c\ \div\ 1.1U_c$
Power Consumption (Uc and T = 20° C) at Closing - at Opening [W]	1000-50
Mechanical Operation Time (Uc and T = 20° C) when Closing - Opening [ms]	120-15
Mechanical 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 [Vac / Vdc]	250
Rated Current [A]	10
Minimum Switching Current at 16Vdc [mA] 5	100
Electrical Connections	Fast-On 6.35x0.8mm
Environmental Conditions	
Stock Temperature Range	-25°C ÷ +60°C
Operational Temperature Range	-5℃ ÷ +55℃
Max Altitude without Performance Derating [m]	2000

⁴ With respect of the maintenance operations ⁵ Ir

ons 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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