

# SWITCHES

## STANDARD FAMILY CODE N0000350P3A01

Type	N 350
Number of Poles	3 NO
Connection between poles	None
Mounting Position	Vertical
Control Voltage Rating $U_c$ [Vdc]	110Vdc/Vac - 220Vdc/Vac <sup>1</sup>
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	D53395

<sup>1</sup> To be specified in order phase.



**MICROELETTRICA**

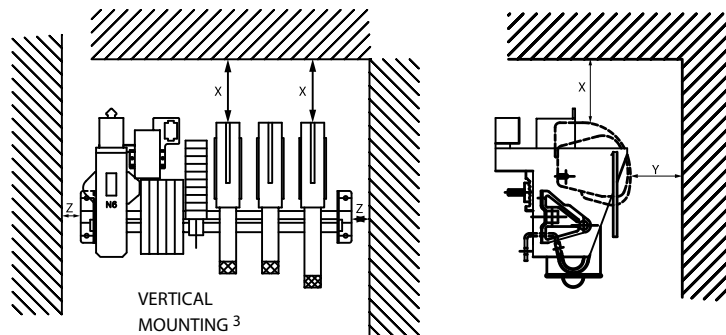
## Description

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] <sup>2</sup>	350			
Conventional Free air thermal current Ith [ at 60°C] <sup>2</sup>	300			
Maximum Making Capacity for 100 ms Ich [kA]	6			
Short Circuit Withstand Current for 100 ms Icw [kA]	8			
Average impedance per pole at 50 Hz [MicroOhm]	400			
Blow out circuit type	Direct			
Electrical Characteristics 3NO pole (S6) for AC application				
Rated Operational Voltage Ue [Vac]	220	380	600	690
Maximum Breaking Capacity cosΦ=0,5 Iacmax [A]	8291	4800	3450	3000
Utilization Category according to IEC60947-4-1: AC1&AC2&AC3				
Rated Operational Power Pe [kW]	92	160	240	240
Rated Operational Current Ie [A]	320	320	320	251
Utilization Category according to IEC60947-4-1: AC4				
Rated Operational Power Pe [kW]	79	136	182	182
Rated Operational Current Ie [A]	270	270	270	191
Exeptional Maximum Breaking Capacity @ 1000Vac cosΦ=0,5 [A]	2500			

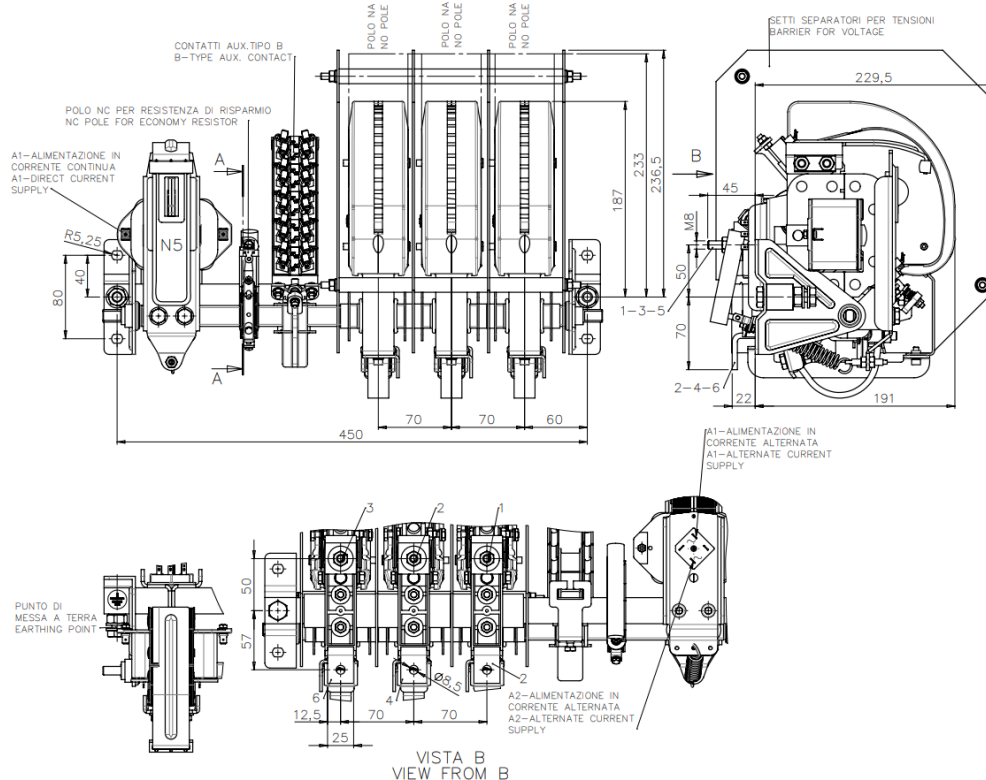
<sup>2</sup> Device cabled according IEC 60947    <sup>3</sup> Other mounting positions not allowed

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) <sup>4</sup>	1x10 <sup>6</sup>
Weight [kg]	20
Control Circuit	
Control Voltage Range	0.85U <sub>c</sub> ÷ 1.1U <sub>c</sub>
Power Consumption (U <sub>c</sub> and T = 20°C) at Closing - at Opening [W]	180-15
Mechanical Operation Time (U <sub>c</sub> and T = 20°C) when Closing - Opening [ms]	60-20
Mechanical Operation Time (in the worst condition) when Closing - Opening [ms]	250-25
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 <sub>ac</sub> / V <sub>dc</sub> ]	250
Rated Current [A]	10
Minimum Switching Current at 16V <sub>dc</sub> [mA] <sup>5</sup>	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

<sup>4</sup>With respect of the maintenance operations      <sup>5</sup> In clean and dry conditions



The technical specifications reported are not binding and they should be agreed in the contract.

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