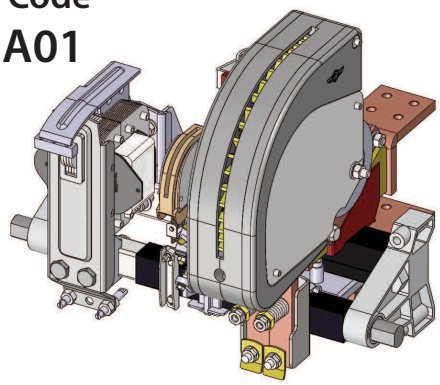
Switches

Standard Family Code
N0001250P1A01



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.

Type	N 1250
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	D53368

[1] To be specified in order phase.

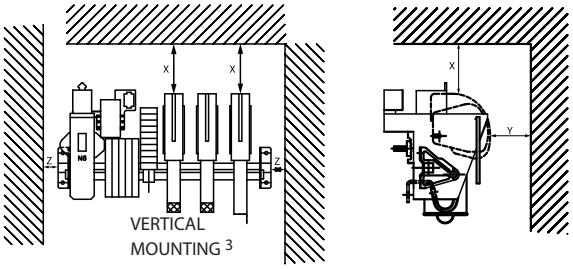
Electrical Characteristics				
Rated Operational Voltage Ue [Vac/Vdc]	220	380	440	600
Rated Insulation Voltage Ui [Vdc]	1000			
Conventional Free air thermal current Ith [at 40°C] [2]	1250			
Conventional Free air thermal current Ith [at 60°C] [2]	1100			
Maximum Making Capacity for 100 ms Ich [kA]	20			
Short Circuit Withstand Current for 100 ms Icw [kA]	25			
Average impedence per pole at 50 Hz [MicroOhm]	300			
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 Idcmax [A]	8000	6947	6000	4400
Utilization Category according to IEC60947-4-1: DC1&DC3				
Max Operational Power Pe [kW]	484	484	484	484
Max Operational Making and breaking Current Ie [A]	2200	1274	1100	807
Utilization Category according to IEC60947-4-1: DC5				
Max Operational Power Pe [kW]	220	0	0	0
Max Operational Making and breaking Current Ie [A]	1000	0	0	0

Electrical Characteristics 1NO pole (S6) for AC application				
Rated Operational Voltage [Vac]	220	380	440	600
Maximum Breaking Capacity cosΦ=0,5 Iacmax [A]	15000	8684	7500	5500
Utilization Category according to IEC60947-4-1: AC1&AC2&AC3				
Max Operational Power Pe [kW]	425	425	425	425
Max Operational Making and breaking Current Ie [A]	1396	808	698	512
Utilization Category according to IEC60947-4-1: AC4				
Max Operational Power Pe [kW]	340	340	340	340
Max Operational Making and breaking Current Ie [A]	1117	646	558	409

[2] Device cabled according IEC 60947

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



VERTICAL MOUNTING [3]

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

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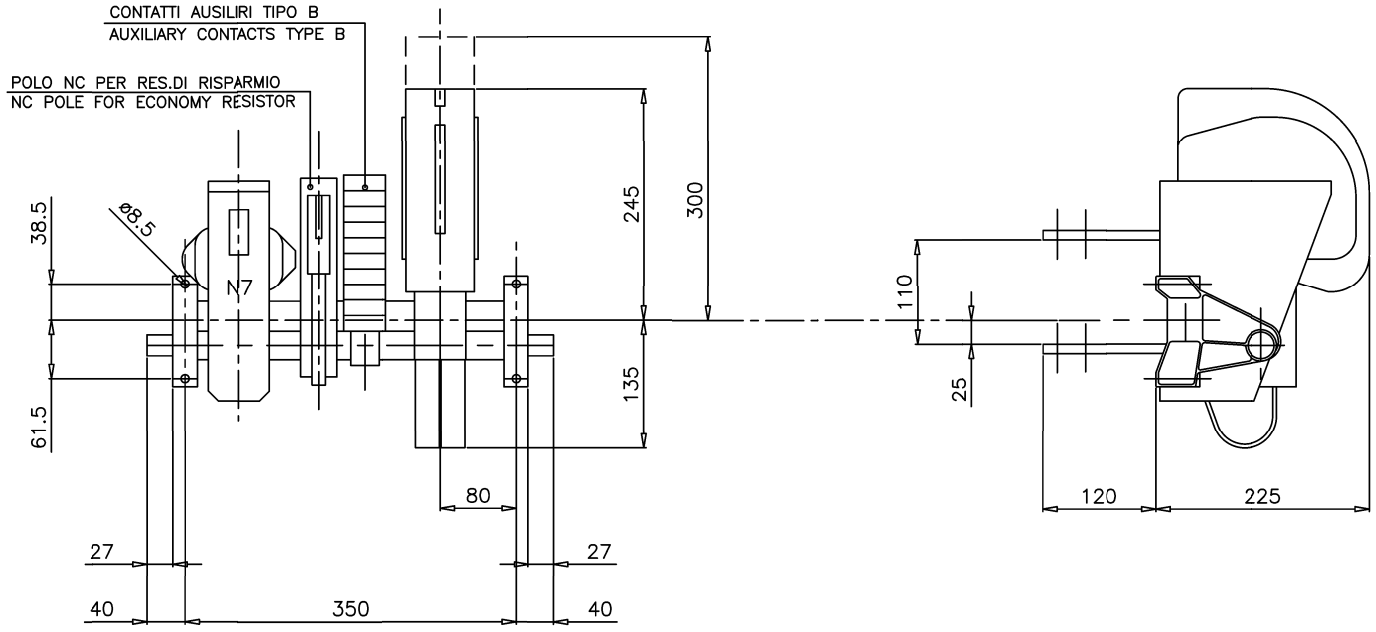
Mechanical Characteristics	
Mechanical Endurance (cycles)[5]	1x10^6
Weight [kg]	24

Control Circuit	
Control Voltage Range	0.85U_c ÷ 1.1U_c
Power Consumption (Uc and T = 20°C) at Closing - at Opening [W]	1000-50
Mechanical Operation Time (U_c and T = 20°C) when Closing - Opening [ms]	110-15
Mechanical Operation Time (in the worst condition) when Closing - Opening [ms]	400-20
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_{ac}]	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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