

## STANDARD FAMILY CODE N0000190P1A01

Туре	N 190
Number of Poles	1 NO
Connection between poles	None
Mounting Position	Vertical
Control Voltage Rating Uc [Vdc]	110Vdc/Vac - 220Vdc/Vac¹
Auxiliary Contact Blocks	5 NO + 5 NC
Block Type	В
Arc chute Material	Plastic Shells
Main Contacts tips Material	S6
Arcing Contacts tips Material	-
Electric Diagram	TU0165/B (DC) - TU0165/C (AC)
Layout Drawing	D53559

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



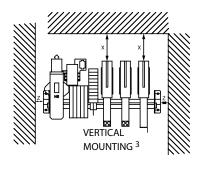
## Description

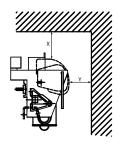
Contactor with single interruption in air, electromagnetic control by power save system (economy resistor). Typical application control of all type of motor for standard or severe duty application. Control of resistive, inductive and capacitive circuits: heating, lighting, cosfi rectification, normal 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] <sup>2</sup>			190	
Conventional Free air thermal current Ith [ at 60°C] <sup>2</sup>			165	
Maximum Making Capacity for 100 ms lch [kA]	3			
Short Circuit Withstand Current for 100 ms Icw [kA]	4			
Average impedence per pole at 50 Hz [MicroOhm]	400			
Blow out circuit type	Direct			
Electrical Characteristics 1NO pole (S6) for DC application	on			
Rated Operational Voltage [Vdc]	220	380	440	600
Maximum Breaking Capacity tau=15ms Idcmax [A]	1500	1160	1000	735
Utilization Category according to IEC60947-4-1: DC1&DC3				
Rated Operational Power Pe [kW]	40	75	80	80
Rated Operational Current le [A]	190	190	180	135
Utilization Category according to IEC60947-4-1: DC5				
Rated Operational Power Pe [kW]	40	-	-	-
Rated Operational Current le [A]	170	-	-	-
Electrical Characteristics 1NO pole (S6) for AC application	on			
Rated Operational Voltage [Vac]	220	380	440	600
Maximum Breaking Capacity cosΦ=0,5 lacmax [A]	2500	1450	1250	920
Utilization Category according to IEC60947-4-1: AC1&AC2&AC3				
Rated Operational Power Pe [kW] $(\cos\Phi=0.8)$	35	60	70	70
Rated Operational Current le [A]	190	190	190	140
Utilization Category according to IEC60947-4-1: AC4				
Rated Operational Power Pe [kW] (cosΦ=0,8)	35	60	60	65
Rated Operational Current le [A]	190	190	165	120

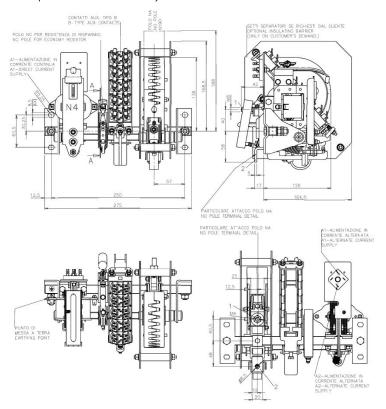
 $<sup>^{\</sup>rm 2}$  Device cabled according IEC 60947  $\,^{\rm 3}$  Other mounting positions not allowed

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





<sup>&</sup>lt;sup>4</sup>With respect of the maintenance operations



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

## For further technical information on our products visit www.microelettrica.com

## Microelettrica Scientifica S.p.A.

20090 Buccinasco (MI), Via Lucania 2, Italy

Tel.: +39 02 575731

E-mail: info@microelettrica.com www.microelettrica.com



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