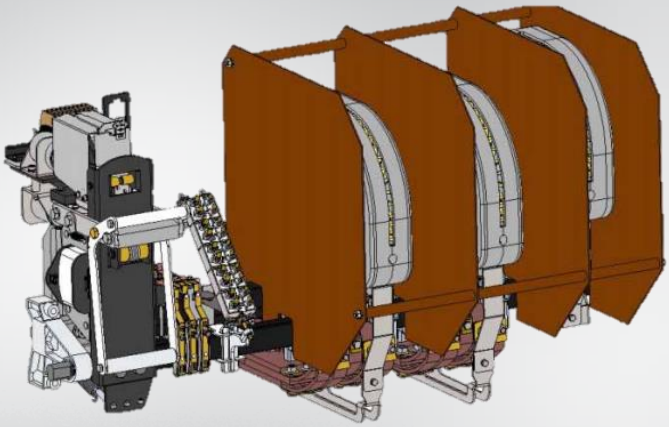


SWITCHES

STANDARD FAMILY CODE
TADN3000P3E02

Type	TADN 3000
Number of Poles	2 NO + 1 NC
Connection between poles	Series for NO pole[1]
Mounting Position	Vertical
Control Voltage Rating Uc [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 (NO pole) – S4 (NC pole)
Arcing Contacts tips Material	S6 (NO pole)
Electric Diagram 110V / 220V	SCE1552 / SC26303_2
Layout Drawing	D53579

[1] To be specified in order phase

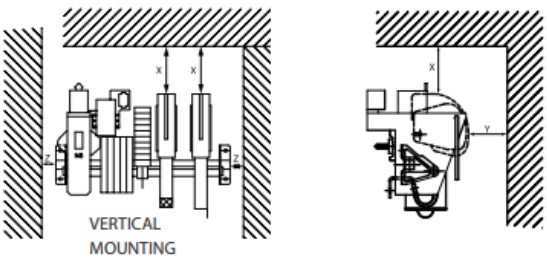
Description

Contactor with single interruption in air, electromagnetic control by two coils (one for close and one for open), and also handle lever. Double state functioning thanks to mechanical latching device. Reference standard ANSI-IEEEE CE 37.18-1979 and C37.16-1988

Electrical Characteristics		
Rated Operational Voltage Class Vn	[Vac/Vdc]	1000
Rated Insultaion Voltage Ui	[V]	1000
Characteristics of the main Contacts (2 Poles NO Series)		
Conventional Free Air Thermal Current @40°C[2]	[A]	3000
Conventional Free Air Thermal Current @60°C[2]	[A]	2650
Rated short-time voltage of main contacts V'	[Vdc]	700
Rated interruption current Icc' of main contacts at V' (short-circuit in the field circuit)	[kA]	20
Rated maximum interrupting voltage of main contacts Vcc	[Vdc]	1000
Rated interruption current Icc of main contacts at Vcc (short-circuit in the armature circuit)	[kA]	15
Rated 1/2 second short-time current Icc 0,5	[kA]	30
Average impedence per pole at 50 Hz	[uΩ]	150
Blow out type	-	Indirect with Arcing Contact
Characteristics of Normally Closed Contact		
Rated continuos current Ind	[A]	1250
Rated interrupting current Iccd of the discharge contacts at V'	[kA]	10
Rated making current of the discharge contacts Ichd (short-circuit in the armature circuit)	[kA]	10
Rated 15 seconds short-time current Id 15" of the discharge contacts	[kA]	6
Blow out type	-	Direct
Contact Overlap between NO & NC Poles		
Time from NC closing and NO opening	[ms]	2 ÷ 3
Time from NO closing and NC opening	[ms]	3 ÷ 5

[2] Device cabled according IEC 60947

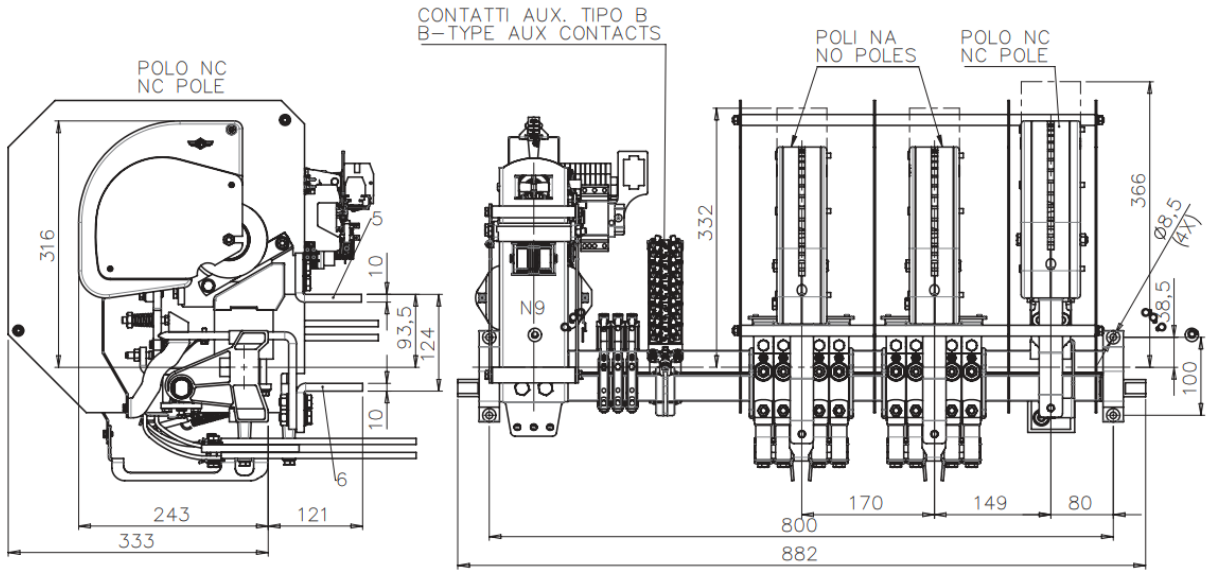
Minimum clearances [mm] from:				
Rated Operational Voltage		X	Y	Z
1000 V	Metal Parts	100	50	30
	Plastic Parts	50	30	20



[3] Other mounting positions not allowed

Mechanical Characteristics		
Mechanical Endurance[4]	Cycles	1x10[5]
Weight	[kg]	100
Control Circuit		
Control Voltage Range		0.85Uc ÷ 1.1Uc
Power Consumption (Uc and T = 20°C) at Closing - when holding - at Opening	[W]	2400 - 0 - 200
Mechanical Operation Time (Uc and T = 20°C) - when Closing - Opening	[ms]	100 – 20
Mechanical Operation Time (in the worst condition) when Closing - Opening	[ms]	400 - 25
Electrical Connections		Terminal Board
Auxiliary Contacts		
Tips material		Solid Silver
Rated Operational Voltage	[Vac / Vac]	250
Rated Current	[A]	10
Minimum Switching Current at 16Vdc [5]	[mA]	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 maintenance operations [5] In Clean and Dry conditions



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

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