

Туре	TADN 650
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 ²
Auxiliary Contact Blocks	5 NO + 5 NC
Block Type	В
Arc chute Material	Ceramic in plastic shells
Main Contacts tips Material	S6 (NO pole) - S4 (NC pole)
Arcing Contacts tips Material	-
Electric Diagram 110V / 220V	SCE1552 / SC26303
Layout Drawing	D53574
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¹ Series bar connections available under request

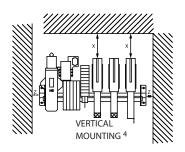
Contactor with single interruption in air, electromagnetic control by two coils (one for close and one for open), and also handle lever.

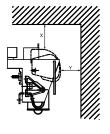
Double state functioning thanks to mechanical latching device. Reference standard ANSI-IEEEE CE 37.18-1979 and C37.16-1988.

Meletenee standard ////SFIEEEE CE 57.10 1979 and C57.10 1900.	
Electrical Characteristics	
Rated Nominal Voltage Class Vn [Vac / Vdc]	750
Rated Insulation Voltage Ui [V]	1000
Characteristics of the main Contacts (2 Poles NO Series)	
Conventional Free Air Thermal Current Ith [A] at 40°C ³	650
Conventional Free Air Thermal Current Ith [A] at 60°C ³	570
Rated short-time voltage of main contacts V' [Vac]	700
Rated interruption current I'cc of main contacts at V' (short-circuit in the field circuit) [kA]	10
Rated maximum interrupting voltage of main contacts Vcc [Vdc]	1000
Rated interruption current lcc of main contacts at Vcc (short-circuit in the armature circuit) [kA]	5
Rated 1/2 second short-time current lcc 0,5 [kA]	9
Average impedence per pole at 50 Hz [μOhm]	300
Blow out type	Direct
Characteristics of Normally Closed Contact	
Rated continuos current Ind [A]	650
Rated interrupting current lccd of the discharge contacts at V' [kA]	6
Rated making current of the discharge contacts I chd (short-circuit in the armature circuit) [kA]	7
Rated 15 seconds short-time current Id 15" [kA] of the discharge contacts	4
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

 $^{^{3}}$ Device cabled according IEC 60947

Minimum clearances [mm] from:				
Rated 0	Operational Voltage	Х	Υ	Z
1000	Metal Parts	100	50	30
	Plastic Parts	50	30	20









² To be specified in order phase.

Mechanical Endurance (cycles) ⁵	2.5x10⁵
Weight [kg]	29
Control Circuit	
Control Voltage Range	0.85U₅ ÷ 1.1U₅
Power Consumption (Uc and $T = 20^{\circ}C$) at Closing - When holding - at Opening [W]	450 - 0 - 150
Mechanical Operation Time (U_c and $T = 20$ °C) when Closing - Opening [ms]	70 - 15

Power Consumption (Uc and T = 20° C) at Closing - When holding - at Opening [W]	450 - 0 - 150
Mechanical Operation Time (U _c and T = 20°C) when Closing - Opening [ms]	70 - 15
Mechanical Operation Time (in the worst condition) when Closing - Opening [ms]	300 - 20
Time Constant (L/R) at Pick Up - when Holding [ms]	

Electrical Connections Terminal board

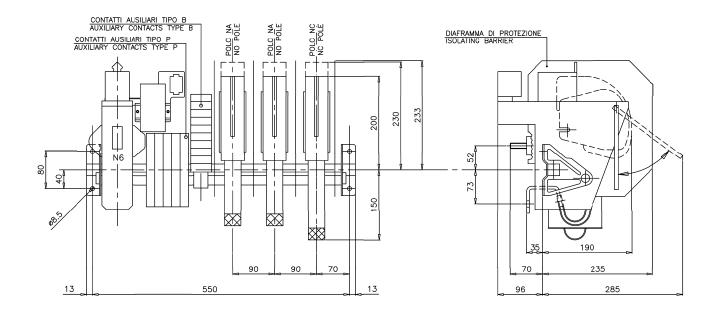
Auxiliary Contacts	
Tips material	Solid Silver
Rated Operational Voltage [Vac / Vac]	250
Rated Current [A]	10
Minimum Switching Current at 16V _{ac} [mA] ⁶	100
Electrical Connections	Fast-On 6.35x0.8mm

Environmental Conditions	
Stock Temperature Range	-25°C ÷ +60°C
Operational Temperature Range	-5°C ÷ +55°C
Max Altitude without Performance Derating [m]	2000

⁵ With respect of the maintenance operations

Mechanical Characteristics

⁶ In clean and dry conditions





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