LTCN03004*A00

Type	LTCN300
Number of Poles	4 NO
Mounting Position	Horizontal - Vertical
Control Voltage Rating [V_{dc}]	24 ÷ 220
Auxiliary Contact Blocks	Max 4 x (1 NO + 1 NC or 2 NO)
Block Type*	SL
Arc chute Material	Polyester Resin - Ceramic
Contact tips material*	S6

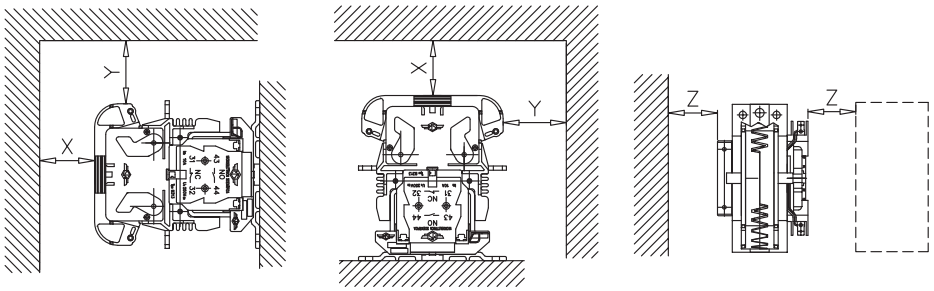
* For details please refer to dedicated technical note

Description

Contactor with double interruption in air, electromagnetic control by full power coils. Single state functioning.
Reference Standard IEC 60077.

Electrical Characteristics	
Rated Operational Voltage [V_{ac} / V_{dc}]	1500
Max Operational Voltage [V_{ac} / V_{dc}]	2000
Rated Insulation Voltage [V]	2000
Conventional Free Air Thermal Current [A] at 75°C	275
AC-Maximum Breaking Capacity (cosϕ=0,8; 50Hz) [kVA]	
1000V (3-phase)	250
440V (3-phase)	500
Component Category / Operational Frequency Class	A2 / C3
Short Circuit Withstand Capacity for 5ms [kA]	4
Critical Current Range [A]	DC Reverse current
Fault Making Capacity [kA]	2.4
Blow Out Circuit Type	None

Minimum clearances
from metal parts [mm]
X = 120; Y = 120 ; Z =30



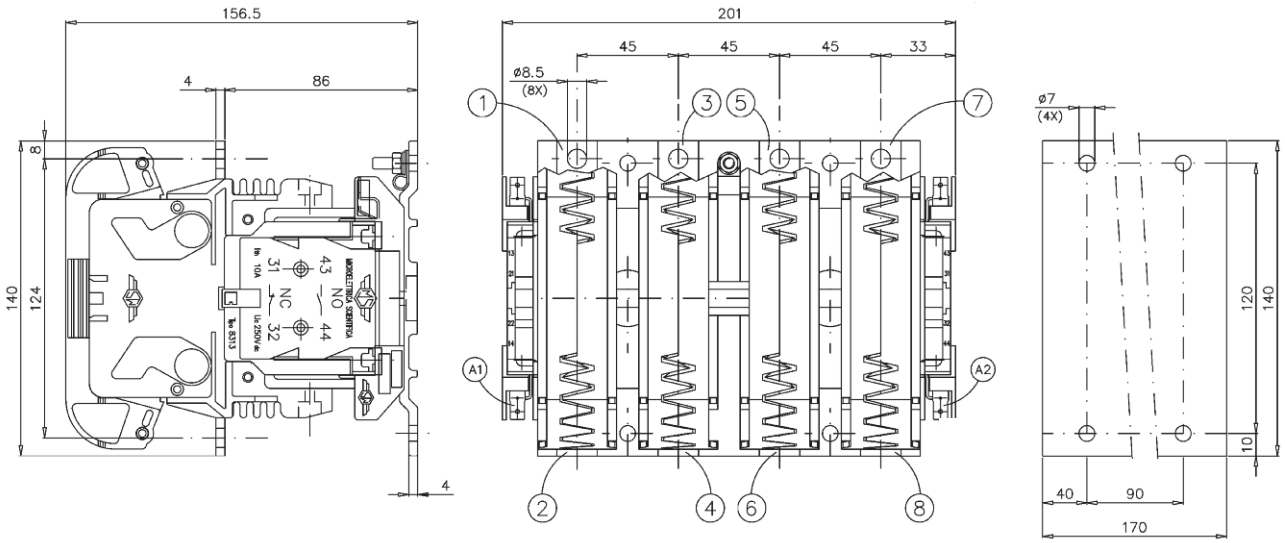
LTCN03004*A00

Mechanical Characteristics	
Mechanical Endurance (cycles)	$2x10^6$
Shock and Vibrations (IEC61373)	Cat.1 - Class B
Weight [kg]	6.5

Control Circuit	
Control Voltage Range	$0.7U_c \div 1.25U_c$
Power Consumption (U_c and T = 20°C) at Pick Up - when Holding [W]	70 - 70
Mechanical Operation Time (U_c and T = 20°C) when Closing - Opening [ms]	50 - 20
Time Constant (L/R) at Pick Up - when Holding [ms]	25 - 50
Electrical Connections	Fast-On 6.35x0.8mm

Auxiliary Contacts	
Tips material	Solid Silver (Gold plating opt)
Rated Operational Voltage [V_{ac} / V_{dc}]	250
Rated Current [A]	10 (RK= 0.5)
Minimum Switching Current at 16V_{dc} [mA]	20
Electrical Connections	Fast-On 6.35x0.8mm - Screw M4

Environmental Conditions	
Stock Temperature Range	-50°C ÷ +85°C
Operational Temperature Range	-40°C ÷ +75°C
Pollution Degree - Overvoltage Category (EN 50124-1)	PD3 - OV3
Max Altitude without Performance Derating [m]	1500



Rev.01 06/2012

btsadv.com