SOLENOID EXPROOF SMALL COILS

C21 SERIES

COIL CHARACTERISTICS

Atex Certificated

Coils in the catalogue pages are identified by their electrical characteristics such as ;

Continuous Duty	: ED %100
Coil insulation class	: H (180°C)
Coil Impregnation	: Fiber Glass Reinforced or PP-V0 (Self-Exitinguishing Polypropylene)
Coil Encapsulation Material	: Fiber Glass Reinforced or PP-V0 (Self-Exitinguishing Polypropylene)

Explosionproof operator, intended for use in potentially explosive atmospheres
Easy electrical installation by means of the cable, standard length 1 meter

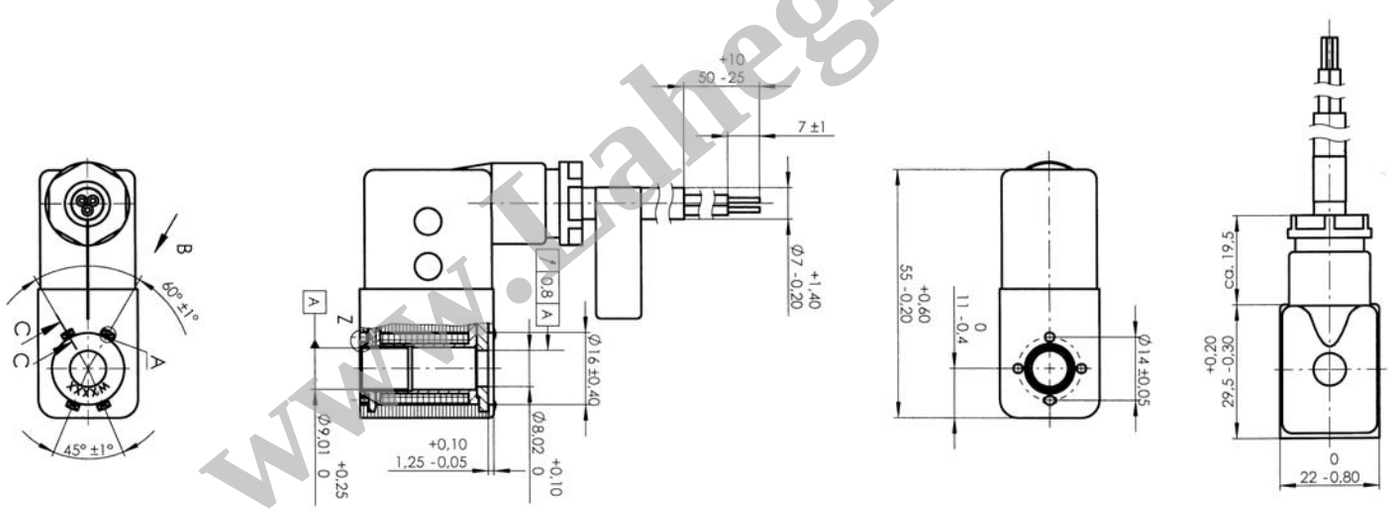
Safety mode	: EEx em II T4 (Max Surface Temperature : 135°C em: encapsulation safety , II : Equipment group)
Minimum and maximum ambient temperature	: from -10°C ; +50°C
Power	: for DC 4.5 to 5 W, for AC 3.8 to 5.5 VA
Protection degree	: Generally IP 65 (EN 60529) with coil duty fitted with the plug connector
Electric plug connection	: DIN 46340 3-poles connectors (DIN 43650)
Electrical safety	: IEC 335

On request maximum surface temperature T5 = 100°C or T6 = 85°C
Ambient Temperature : -20°C…+50°C
Insulation class of insulating materials according to DIN VDE 0580
Deg. of Protection with mountedplug-in connector according to IEC 529
These coils are approved according to EN 50028
DIN VDE 0170/0171, part 9 by the PTB and according to 94/9 EG (Atex 100a)

ATEX CE

STANDARD VOLTAGES

The standard voltages indicated in the catalogue are as follows ;
Standard Voltages : For AC 12V , 24V , 48V , 110V , 230V
For DC 12V , 24V , 48V , 110 V
Other voltage on request
Voltages Tolerance : For AC %-15 ; %+10 , For DC %-5 ; %+10
Frequency : 50 Hz, other frequencies on request (60 Hz)
On request connector with LED



Coil Type / Order no	Voltage	Power Ratings	Alternating Current (AC)			Direct Current (DC)		
C21	Volt		Valve Type / Order no	Voltage	Power Ratings	Valve Type / Order no	Voltage	Power Ratings
C21.01	230 V AC	EEx em II T4	C21.22	240 V	5.5 VA	C21.26	125 V	5 W
C21.02	110 V AC	EEx em II T4	C21.01	230 V	4.8 VA	C21.05	110 V	5 W
C21.03	24 V AC	EEx em II T4	C21.24	120 V	4.5 VA	C21.18	48 V	4.7 W
C21.04	12 V AC	EEx em II T4	C21.02	110 V	3.8 VA	C21.06	24 V	5 W
C21.06	24 V DC	EEx em II T4	C21.23	200 V	5.2 VA	C21.07	12 V	4.5 W
C21.07	12 V DC	EEx em II T4	C21.25	36 V	5.2 VA	-	-	-
-	-	-	C21.03	24 V	4.6 VA	-	-	-

Useful Informations
1 bar:14,5 PSI:10 mH_2O:10 N/cm^2:1 kg/cm^2:100000 Pa, 1 PSI:69 mbar,1 m^3/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m^3/h, 0°C:89,6 F
Sealings:NBR:Nitrile-Butylene Elastomer, FPM (VITON):Fluoro-Carbon Elastomer, EPDM:Ethylene-Propylene Elastomer

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