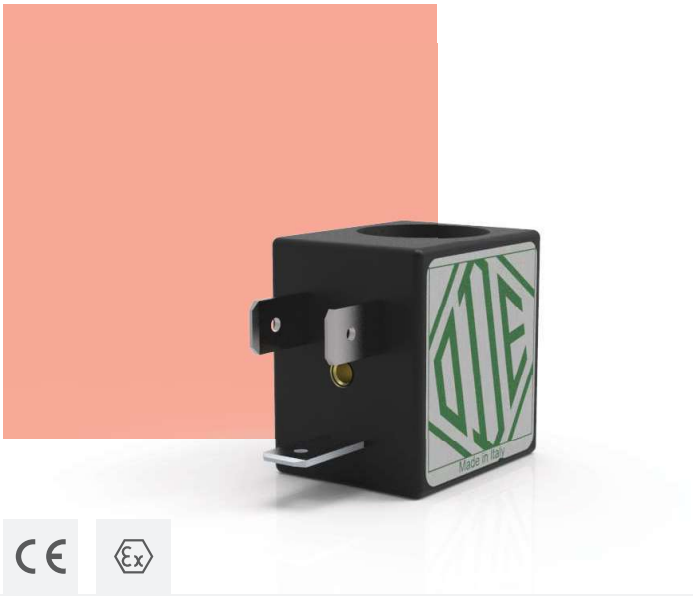


L Ex nA SERIES

Coils, Atex

L Series coils are 22 mm wide, suitable for armature tubes with diameter 10 mm.

TECHNICAL DATA

ELECTRICAL CONNECTIONS	EN 175301-803 industrial form B (11 mm)
PROTECTION DEGREE	IP 65 EN 60529 (DIN 40050) (with connector)
WINDING INSULATION CLASS	class H
COIL INSULATION CLASS	class H (180°C)
COIL ENCAPSULATION MATERIALS	Black PET (polyethylene)

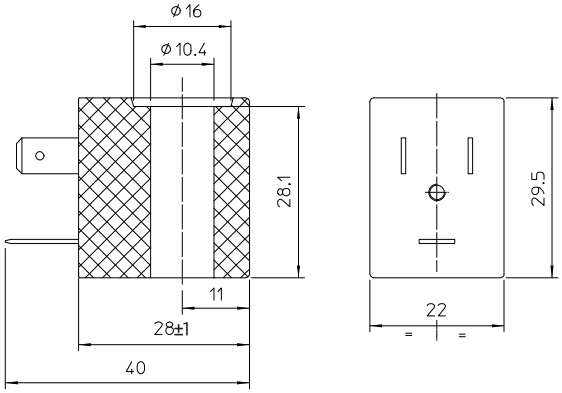
DIN CONNECTIONS CLASS H

CODE	VOLTAGE / FREQUENCY	POWER RATING	AMBIENT TEMPERATURE	DUTY CYCLE
REDUCED POWER				
LBV04230A3	230 V / 50 Hz 240 V / 60 Hz	8 VA	-40°C +60°C	100%
STANDARD POWER				
LBV05006C3	6 V DC	9 W	-40°C +60°C	100%
LBV05012C3	12 V DC	7 W	-40°C +60°C	100%
LBV05024C3	24 V DC	7 W	-40°C +60°C	100%
LBV05024D3	24 V / 50-60 Hz	11 VA	-40°C +60°C	100%
LBV05048C3	48 V DC	8 W	-40°C +60°C	100%
LBV05110A3	110 V / 50 Hz 120 V / 60 Hz	10 VA	-40°C +60°C	100%
LBV05230A3	230 V / 50 Hz 240 V / 60 Hz	11,5 VA	-40°C +60°C	100%

- Tolerances on nominal voltages: AC + 10% - 15% DC + 10% - 5%.
- Performances of the valves may vary when using reduced power coils. Please contact ODE before order.

According to Directive 2014/34/EU ATEX
II 3G Ex nA IIC T3 Gc
II 3D Ex tc IIIC T200°C Dc IP 65

- The coils must be used only with ATEX type Ex II 3GD IP65 connector, ODE code P99222I.
- The connector must be ordered separately.
- The power values are referred to holding phase for AC voltages and to cold values for DC voltages.
- Coil encapsulation and bobbin are made of 100% virgin material.
- Other voltages and power absorptions available on demand and for minimum order quantities. Please contact ODE for further information.



I	II	III	IV	V	VI	VII
L	B	V	05	024	C	3

CODIFICATION

I. SERIES
- **L** - Width 22 - tube Ø 10
- **B** - Width 30 - tube Ø 13
- **U** - Width 36 - tube Ø 13
- **G** - Width 52 - tube Ø 13

II. ELECTRICAL CONNECTIONS
- **B** - connector EN 175301-803 industry standard form B
- **D** - connector EN 175301-803 form A
- **V** - 2 cables cm 50
- **T** - 2 cables cm 20

III. COIL HOUSING MATERIAL
- **A** - PA - Black polyamide - class F (155°C)
- **V** - PET - Black Polyethylene - class H (180°C)
- **H** - PPS - Black Polyphenilsuplhide - class N (200°C)

IV. POWER RATING
- **1X** - 1.5 W
- **2X** - 2.5 W
- **4X** - 7,2 VA
- **05** - 5 W - 7 W - 7,7 VA - 9,24 VA - 10 VA - 11,5 VA - 12,5 VA - 13,5 VA
- **5X** - 9,13 VA
- **08** - 8 W - 10 W - 11 W - 14,5 VA - 15 VA - 16 VA - 17 VA
- **10** - 9,9 W - 10,1 W
- **12** - 12 W - 22 VA - 23 VA - 25 VA
- **14** - 14 W - 23 VA - 26 VA - 27 VA
- **16** - 16 W

V. VOLTAGE
- **004** - 4,5 V
- **006** - 6 V
- **009** - 9 V
- **012** - 12 V
- **024** - 24 V
- **110** - 110 V / 50 Hz - 120 V / 60 Hz *
- **112** - 110 -120 V
- **220** - 220 V
- **223** - 220-230 V
- **224** - 220-240 V
- **230** - 230 V / 50 Hz - 240 V / 60 Hz *
- **240** - 240 V
- **380** - 380 V

VI. FREQUENCY
- **A** - 50 Hz ED 100% *
- **B** - 60 Hz ED 100%
- **C** - D.C. ED 100%
- **D** - 50/60 Hz ED 100%
- **E** - 50 Hz ED 50%
- **H** -D.C. ED 50%
- **L** - Lachting coils

VII. APPROVALS
- **3** - ATEX approval

* Voltage code 110 A = 110 V / 50 Hz - 120 V / 60 Hz ED 100%
Voltage code 230 A = 230 V / 50 Hz - 240 V / 60 Hz ED 100%