

U SERIES

Coils

U Series coils are 36 mm wide, suitable for armature tubes with diameter 13 mm. All models are UL recognized.

TECHNICAL DATA

ELECTRICAL CONNECTIONS	EN 175301-803 paragraph 5.3.1 (form A, 18 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)

- *IP 67 possible with anti-umidity kit R453382/U and suitable connector. Please refer to chapter 9.

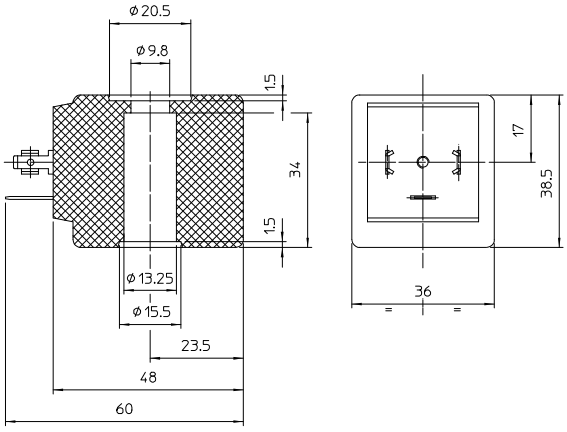
DIN CONNECTIONS CLASS H

CODE	VOLTAGE / FREQUENCY	POWER RATING	AMBIENT TEMPERATURE	DUTY CYCLE	APPROVALS
REDUCED POWER					
UDV12012CY	12 V DC	13 W	-20°C +60°C	100%	CE | cULus | VDE
UDV12024CY	24 V DC	13 W	-20°C +60°C	100%	CE | cULus | VDE
UDV12024DY	24 V / 50-60 Hz	18 VA	-20°C +60°C	100%	CE | cULus | VDE
UDV12110AY	110 V / 50 Hz 120 V / 60 Hz	17 VA	-20°C +60°C	100%	CE | cULus | VDE
UDV12230AY	230 V / 50 Hz 240 V / 60 Hz	17 VA	-20°C +60°C	100%	CE | cULus | VDE
STANDARD POWER					
UDV16024CY	24 V DC	16 W	-20°C +40°C	100%	CE | cULus | VDE
UDV12112DW	110-120 V / 50-60 Hz	23 VA	-20°C +40°C	100%	CE | cULus
UDV12230DW	230 V / 50-60 Hz	25 VA	-20°C +40°C	100%	CE | cULus

- 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.

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- The power values are indicative, as they change as a function of magnetic kit used.
- The power values are referred to holding phase for AC voltages and to cold values for DC voltages.
- The power values for AC voltages are referred to holding phase.
- 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
U	D	V	16	024	C	Y

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
- **W** - CE, UL approval
- **Y** - CE, UL, CSA, VDE approval

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