

G SERIES

Coils

G Series coils are 52mm wide, suitable for armature tubes with diameter 13mm. They can be provided in different temperature classes and materials.

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 N	
COIL INSULATION CLASS	GDH SERIES	CLASS N (200°C)
	GDV SERIES	CLASS H (180°C)
COIL ENCAPSULATION MATERIALS	GDH SERIES	BLACK PPS (POLYPHENYLENE SULFIDE)
	GDV SERIES	BLACK PET (POLYETHYLENE)

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

DIN CONNECTIONS CLASS N

CODE	VOLTAGE / FREQUENCY	POWER RATING	AMBIENT TEMPERATURE	DUTY CYCLE	APPROVALS
GDH14012CS	12 V DC	23 W	-20°C +40°C	100%	CE
GDH14024CS	24 V DC	24 W	-20°C +40°C	100%	CE
GDH14220CS	220 V DC	14 W	-20°C +40°C	100%	CE

- Tolerances on nominal voltages: AC + 10% - 15% DC + 10% - 5%.

DIN CONNECTIONS CLASS H

CODE	VOLTAGE / FREQUENCY	POWER RATING	AMBIENT TEMPERATURE	DUTY CYCLE	APPROVALS
GDV14024CY	24 V DC	14 W	-20°C +60°C	100%	CE | cULus | VDE
GDV14024DY	24 V / 50-60 Hz	27 VA	-20°C +60°C	100%	CE | cULus | VDE
GDV14048DS	48 V / 50-60 Hz	26 VA	-20°C +40°C	100%	CE
GDV14230AY	230 V / 50 Hz 240 V / 60 Hz	31 VA	-20°C +60°C	100%	CE | cULus | VDE

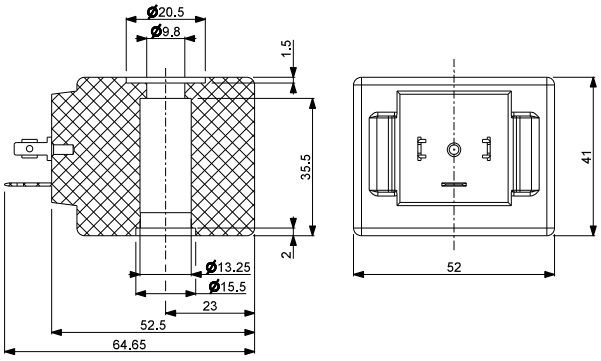
- Tolerances on nominal voltages: AC + 10% - 15% DC + 10% - 5%.

SPECIAL VOLTAGES

CODE	VOLTAGE / FREQUENCY	POWER RATING	AMBIENT TEMPERATURE	DUTY CYCLE	APPROVALS
GDH14018CS	18-32 V DC	7-23 W	-20°C +70°C	100%	CE
GDH14077CS	77-138 V DC	7-23 W	-20°C +70°C	100%	CE

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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.



CODIFICATION

I	II	III	IV	V	VI	VII
G	D	V	14	024	C	Y

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** - 9,13VA
- **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** - 220V
- **223** - 220-230 V
- **224** - 220-240 V
- **230** - 230 V / 50 Hz - 240 V / 60 Hz *
- **240** - 240V
- **380** - 380V

VI. FREQUENCY
- **A** - 50 Hz ED 100% *
- **B** - 60 Hz ED 100%
- **C** - D.C. ED 100%
- **D** - 50/60 Hz ED 1 00%
- **E** - 50 Hz ED 50%
- **H** -D.C. ED 50%
- **L** - Lachting coils

VII. APPROVALS
- **S** - CE 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%