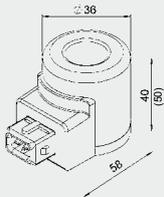
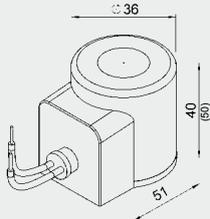


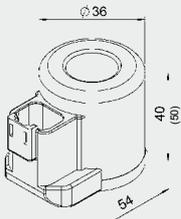
Connector type G
(DIN connector to EN175-301-803)



Connector type T
AMP Junior Timer, 2-pole



Connector type L
Lead-wires, 457 mm



Connector type N
Deutsch connector, 2-pole

Solenoid Coils for Proportional Valves (Solenoid Operated)

Types

For the following valves
(amongst others):

40-1836

PDR08 P (-01)(-02)...
PDR10 P (PZ)v
PDB08 P (PZ)...
PDB10 P (PZ) (SPE)...
PDB12 P (PZ)...
PDB16 P (PZ)...
PDBM10120 AP(APZ)...
PDB12121 PE (PF)...
PDB16221 PE...
PWKM10120 WP...

50-1836

PDR08-11(-20)(-50)...
PWKM06020 V (W)...
PWKM10120 V (W)...
PWKM12120 V (W)...
PDBM06020...
PWS08...
PWS10...

FEATURES

- **Maximum power for minimum space requirement**
Coil is layer-wound which ensures maximum copper fill for minimum space requirement. This prevents damage to the wire insulation. (Prevents failure due to short circuit)
- **Fully encapsulated coil**
Internal coil seal prevents moisture from penetrating and therefore prevents short circuits in the winding
- **Designed for 100% duty cycle**
At I_{max} and ambient temperatures of -20° to $+60^{\circ}$ C
- **Low energy consumption**
Optimum power/energy ratio
- **High mechanical resistance**
Zinc-plated steel casing
- **High thermal load capacity**
Insulation material class H (180° C, VDE 0580)
- **4 different types of electrical connection as standard, with protection classes IP65, IP67 and IP6K9K**
DIN/EN connector (G) IP65, Junior Timer (T) IP65/IP67
Lead-wires (L) IP65/IP67, Deutsch connector (N) IP65/IP67/IP6K9K and others on request
- **Mounting direction optional**
Symmetrical coil construction
- **Coil dimensions = type code**
Type 40-1836 = 40 mm high (18 mm internal \varnothing , 36 mm external \varnothing)
Type 50-1836 = 50 mm high (18 mm internal \varnothing , 36 mm external \varnothing)

SPECIFICATIONS

Coil duty rating:	Continuous up to max. control current at max. 60° C ambient temperature
Max. permitted coil temperature:	180° C
Coil wire:	Insulation material class H
Coil casing:	Steel, zinc-plated
Connector socket:	Polyamide, black
(all specifications relate to coil when fitted on a valve)	

DESCRIPTION

For coils with a DIN connector to EN 175301-803 a corresponding connecting socket (Part No. 394287) can be supplied separately.

As a general rule, special coils can be manufactured to customer specification. Please consult your sales partner.

For the various connector electronics for coils, please see the relevant valve brochure.

MODEL CODE

Coil 12 PG01 - 2.2 - 40-1836

Basic model _____

Coil voltage _____

12 V DC

24 V DC

Other voltages on request

Type of valve _____

P = Proportional valve

Type of connector _____

G = Connector to EN 175301-803, protection class IP65

T = Junior Timer 2-pole, radial, protection class IP65/IP67

L = 2 lead-wires, 0.75mm², protection type IP65/IP67

N = Deutsch connector, protection class IP65/IP67/IP6K9K

Other connectors on request

Version (depending on connector) _____

No details = standard

Resistance (dependent on voltage and type) _____

Type 40-1836 = 2.2 Ohm (12 V)

Type 50-1836 = 4.1 Ohm (12 V)

Type 40-1836 = 8.8 Ohm (24 V)

Type 50-1836 = 17.6 Ohm (24 V)

(see table)

Type code _____

40-1836 = principal dimensions (height, internal diameter, external diameter)

The model code is for information only. For the types available, see table below:

BASIC MODEL AND RELEVANT PART NUMBERS

Coil length [mm]	PWM Base voltage [Volt]	Nominal resistance [Ohm]	Nominal current [Amp.]	Part numbers for type of connector			
				DIN (G)	Junior timer (T)	Lead-wires (L)	Deutsch (N)
40	12 V DC	2.2	2.10	3109230	3162388	3109947	3110056
				12PG-2.2-40-1836	12PT-2.2-40-1836	12PL-2.2-40-1836	12PN-2.2-40-1836
	24 V DC	8.8	1.05	3109229	3162390	3110048	3110057
				24PG-8.8-40-1836	24PT-8.8-40-1836	24PL-8.8-40-1836	24PN-8.8-40-1836
50	12 V DC	4.1	1.75	3179976	3120939	3179980	3179990
				12PG-4.1-50-1836	12PT-4.1-50-1836	12PL-4.1-50-1836	12PN-4.1-50-1836
	24 V DC	17.6	0.85	3179953	3120938	3179985	3179991
				24PG-18-50-1836	24PT-18-50-1836	24PL-18-50-1836	24PN-18-50-1836

NOTE

The information in this brochure relates to the operating conditions and applications described. For applications or operating conditions not described, please contact the relevant technical department.
Subject to technical modifications.

HYDAC Fluidtechnik GmbH
Justus-von-Liebig-Str.
D-66280 Sulzbach/Saar
Tel: 0 68 97 /509-01
Fax: 0 68 97 /509-598
E-Mail: flutec@hydac.com