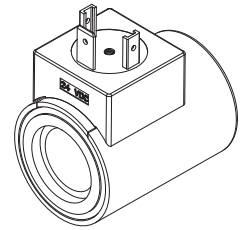


Solenoid coil V.E37/19
according to VDE 0580
Protection class IP 65/67/69K

DESCRIPTION

The slip-on solenoid coil V.E37/19 is available in two sizes and with three different connection versions (see type code). The construction corresponds to the VDE 0580 standard. The housing is made of steel (nickel-chromium coated), the connector socket is made of plastic material.

FUNCTION

With the combination of an armature tube the function of a switching solenoid or of a proportional solenoid results.

APPLICATION

The solenoid coils are mainly utilised in hydraulic applications.

TYPE CODE

Metal housing round with one-sided collar			V	<input type="checkbox"/>	E37 / 19	x	<input type="checkbox"/>	-	<input type="checkbox"/>	#	<input type="checkbox"/>
Connection execution											
Connector socket EN 175301-803/ISO 4400											
Connector socket AMP Junior-Timer											
Connector Deutsch DT04-2P											
Coil execution											
Internal coil diameter 19 mm											
Coil clamping length	40 mm	<input type="checkbox"/>	50 mm	<input type="checkbox"/>							
Nominal voltage U _N	12 VDC	<input type="checkbox"/>	24 VDC	<input type="checkbox"/>							
Design-Index (Subject to change)											

SPECIFICATIONS

Coil winding insulation class	H (180 °C)
Relative duty factor	100% DF/ED
Ambient temperature	combined with armature tube and valve -20...+50 °C
Corrosion protection	Salt spray test according to EN ISO 9227: ≥ 200 h

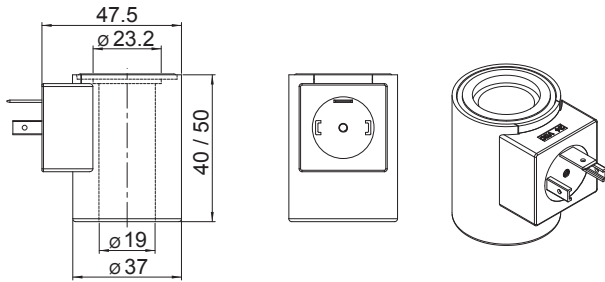
SAFE OPERATION

Caution: Because of the danger of over-heating the solenoid coil must only be commissioned together with an armature tube as well as with a valve.

		12 VDC	24 VDC
V.E37/19x40	Nominal power (Switching function) (W)	18	18
	Limiting power (Proportional function) (W)	12,5	12,5
	Limiting current (50 °C) (Proportional function) (A)	1,00	0,52
	Nominal resistance (Ω)	8	32
	Number of windings (-)	750	1500
	Weight of solenoid coil (kg)	0,17	0,17

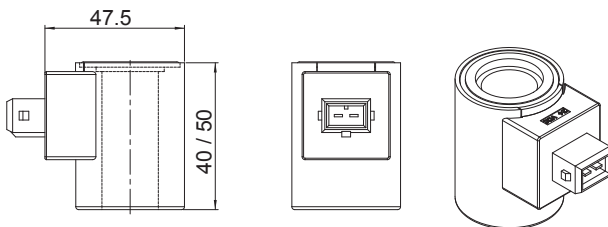
		12 VDC	24 VDC
V.E37/19x50	Nominal power (Switching function) (W)	22	22
	Limiting power (Proportional function) (W)	16	15
	Limiting current (50 °C) (Proportional function) (A)	1,20	0,63
	Nominal resistance (Ω)	6,4	27,2
	Number of windings (-)	780	1560
	Weight of solenoid coil (kg)	0,2	0,2

TYPE LIST / DIMENSIONS / GENERAL SPECIFICATIONS



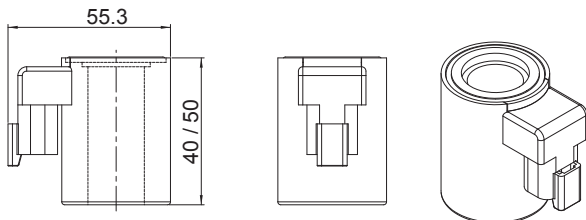
Execution: V **D** E37/19x...

- 3-poles 2 P+E
 - Protection class IP 65
- With corresponding mating connector (not included in delivery) and professional assembly.



Execution: V **J** E37/19x...

- 2-poles 2P
 - only for $U_N \leq 75$ VDC
 - Protection class IP 66
- With corresponding mating connector (not included in delivery) and professional assembly.



Execution: V **G** E37/19x...

- 2-poles 2P
 - only for $U_N \leq 75$ VDC
 - Protection class IP 67 and 69 K
- With corresponding mating connector (not included in delivery) and professional assembly.

Technical explanation see data sheet 1.1-400 and 1.1-410