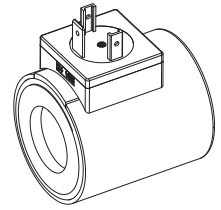


**Solenoid coil W.E45/23 x 50  
 in accordance with DIN VDE 0580  
 Protection class IP 65/67/69K**

**DESCRIPTION**

The slip-on solenoid coil W.E45/23x50 is available in three different connection versions. The design corresponds to the DIN VDE standard 0580. The housing is made of steel (zinc-nickel 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.

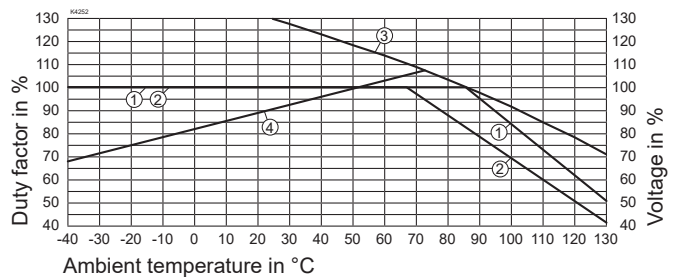
**TYPE CODE**

Metal housing, round		W		<input type="checkbox"/>	E45 / 23 x 50 -	<input type="checkbox"/>	#	<input type="checkbox"/>
Connection execution		Connector socket EN 175301-803/ISO 4400		<input type="checkbox"/>	D	with protecting diode*		<input type="checkbox"/>
		Connector socket AMP Junior-Timer		<input type="checkbox"/>	J	(only DC)		
		Connector Deutsch DT04-2P		<input type="checkbox"/>	G	(only DC) with protecting diode*		<input type="checkbox"/>
Connection execution				<input type="checkbox"/>	D1			<input type="checkbox"/>
				<input type="checkbox"/>	G1			<input type="checkbox"/>
Internal coil diameter 23 mm				<input type="checkbox"/>	G12	115 VAC		<input type="checkbox"/>
				<input type="checkbox"/>	G24	230 VAC		<input type="checkbox"/>
				<input type="checkbox"/>	G28			<input type="checkbox"/>
Coil length 50 mm				<input type="checkbox"/>	R115			<input type="checkbox"/>
				<input type="checkbox"/>	R230			<input type="checkbox"/>
Nominal voltage U <sub>N</sub>		12 VDC		<input type="checkbox"/>	G12	115 VAC		<input type="checkbox"/>
		24 VDC		<input type="checkbox"/>	G24	230 VAC		<input type="checkbox"/>
		28 VDC		<input type="checkbox"/>	G28			<input type="checkbox"/>
Design-Index (Subject to change)								

\*only in execution U<sub>N</sub> = 28 VDC

**SPECIFICATIONS**

Coil winding	H (180 °C), N (200 °C) only G28
insulation class	100 % ED
Relative duty factor	combined with armature tube and valve
Ambient temperature	See temperature curve
Corrosion protection	Salt spray test according to EN ISO 9227: ≥ 1000 h

**DUTY FACTOR**
**VOLTAGE**


- ① Duty factor at nominal voltage
- ② Duty factor at 110 % nominal voltage
- ③ Max. voltage in % for 100 % duty factor
- ④ Min. voltage in % for proportional limiting current at 100 % duty factor

	12 VDC	24 VDC	28 VDC	115 VAC	230 VAC
Nominal power (20° C) (W) (Switching function)	30,9	31,8	36,3	27,2	29,8
Limiting current (50° C) (A) (Proportional function)	1,715	0,88	0,84	—	—
Limiting power (50° C) (W) (Proportional function)	20,6	21,2	23,7	—	—
Nominal resistance (20° C) (Ω)	4,66	18,1	21,6	385	1425
Number of windings (-)	620	1250	1370	5350	10700
Weight of solenoid coil (kg)	0,33	0,33	0,33	0,33	0,33
Breakdown voltage (VDC) (Protecting diode)	—	—	62	—	—

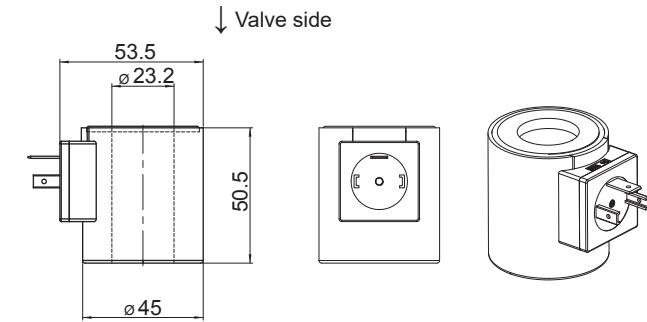
**SAFE OPERATION**


**Caution:** To avoid overheating the coil may only be energised when mounted on an armature tube and valve.


**NOTE!**

The effective heat emissions depends on the installation conditions (heat emission surface, air circulation, etc.), these influence the described area of application.

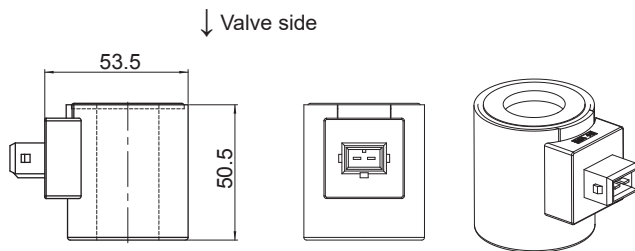
TYPE LISTE / DIMENSIONS / GENERAL SPECIFICATIONS



Execution: W **D1** E45/23x50

- 3-poles 2 P+E
- Protection class IP 65

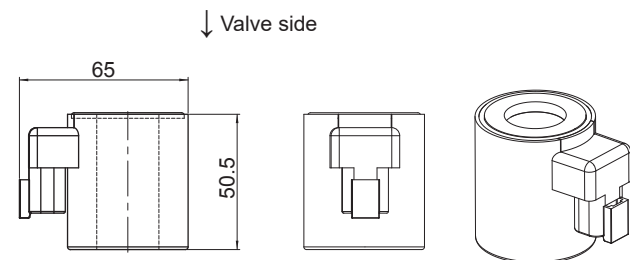
With corresponding mating connector (not included in delivery) and professional assembly.



Execution: W **J** E45/23x50

- 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.

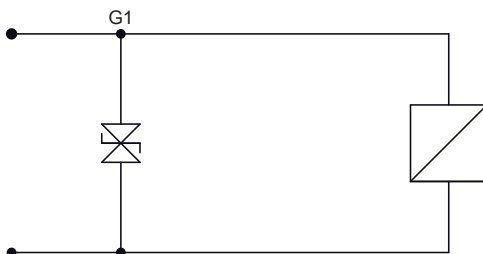


Execution: W **G** E45/23x50

- 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 und 1.1-410



Execution: W **D1** E45/23x50-G28 with protecting diode  
W **G1** E45/23x50-G28 with protecting diode