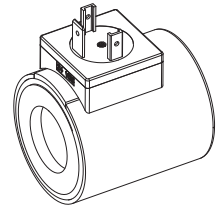


**Solenoid coil W.E45/23 x 50
 in accordance with DIN VDE 0580
 Protection class IP 65/67/69K**

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.

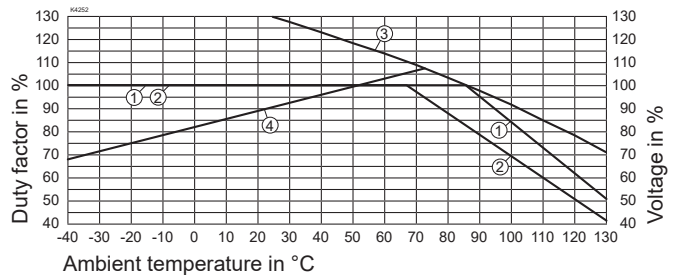
TYPE CODE

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 23mm				<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 50mm				<input type="checkbox"/>	R115			<input type="checkbox"/>
				<input type="checkbox"/>	R230			<input type="checkbox"/>
Nominal voltage U _N		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_N = 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: ≥ 1000h

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	—	—

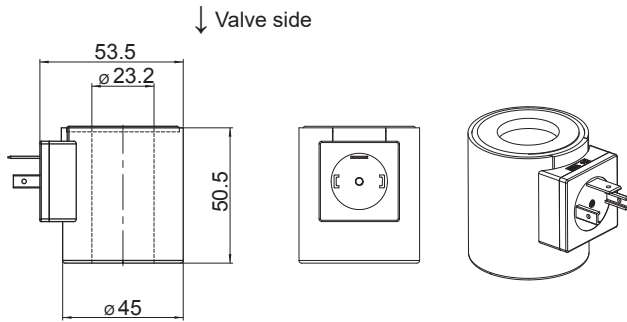
SAFE OPERATION


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.

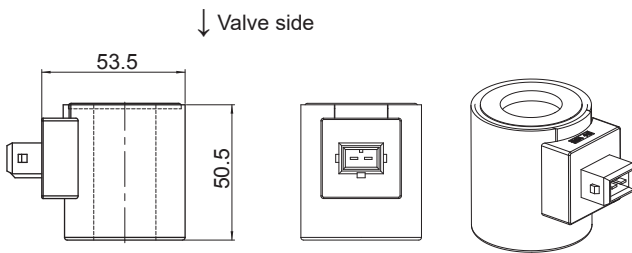
TYPE LISTE / DIMENSIONS / GENERAL SPECIFICATIONS



Execution: W **D1** E45/23 x 50

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

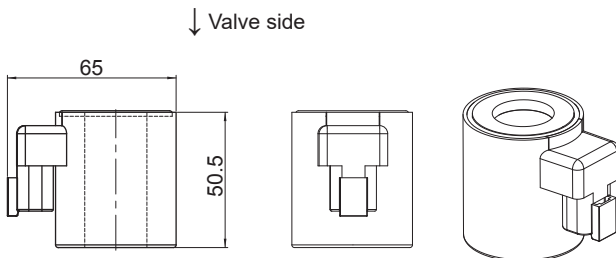
With corresponding mating connector (not included in delivery) and professional assembly.



Execution: W **J** E45/23 x 50

- 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.

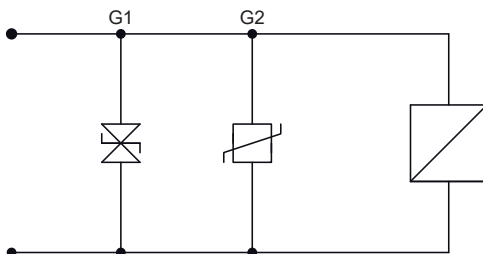


Execution: W **G** E45/23 x 50

- 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** E45/23 x 50-G28 with protecting diode
 W **G1** E45/23 x 50-G28 with protecting diode
 W **G2** E45/23 x 50-G28 with Varistor