

AC-Electromagnets
 Nickel plated for corrosion resistance

Type WI 411

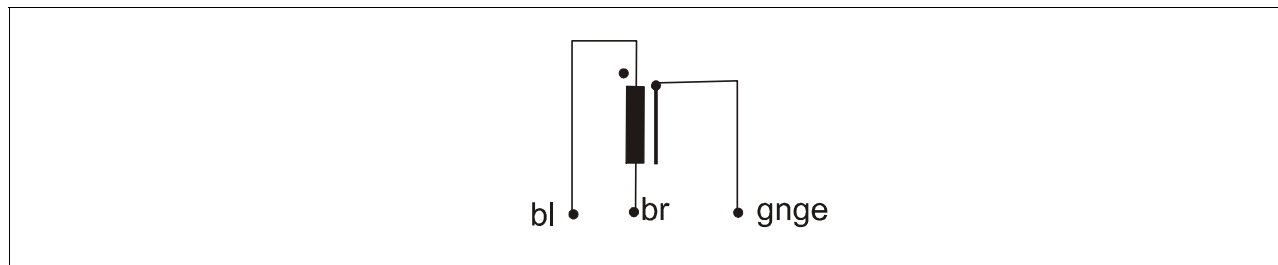
Applications:

- Material handling process
- Vibratory conveyors
- Material sorters
- Parts feeders
- Vibration drive systems
- FDA application
- Clean room environments



Conforming to DIN VDE 0580	Test voltage 4000 V AC, 50Hz, 2 sec windings to core
Rated voltage U = G 230V AC	Rated frequency f = 50 Hz (Half wave rectification (Diode))
Flammability UL 94 V0	Vibrations 3000 1/min.

Circuit



Benefits:

- compact and robust design
- simple installment
- small footprint
- special design available
- standard cord length, 2 meter
- rated protection up to IP65

Technical data



Type	Max. max. rated coil gap	connection to 50 Hz 6000 1/min.	Max. pull power (approx.) with max coil gap	Half wave rectification 3000 1/min.	Max. pull power (approx.) with max coil gap	Weight in kg	
						F(N)	Magnet
	(mm)	(VA)	F(N)	(VA)	F(N)		
WI 411/3	2	12	4	10	5	0.135	0.025
WI 411/5	1	60	55	47	38	0.405	0.085
WI 411/6	2,5	70	15	68	24	0.580	0.110
WI 411/7	3	138	43	129	45	1.150	0.165
WI 411/9	3	260	110	350	150	1.980	0.330

The pull power values given in the table refer to warmed-up condition and 95% of the rated voltage with a reference temperature of 35° C.

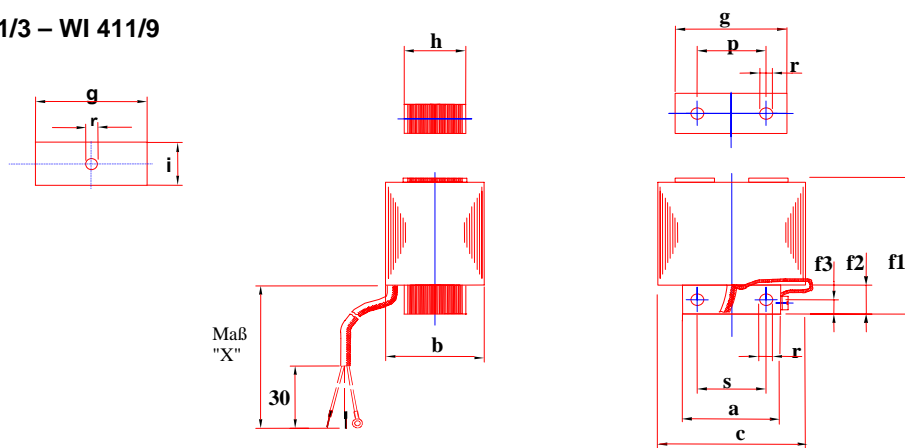
Maximum pull power F = magnetic force with rated coil gap in non-vibrating condition.

The VA-values were determined with rated air gap in non-vibrating condition and represent a max. limit for the temperature rise according to test arrangement conforming to VDE 0580.

The compound will be provided in grey with connection over half-wave rectifiers.

Dimension Drawing

WI 411/3 – WI 411/9



Dimensions (mm)

Type	a	b	c	f1	f2	f3	g	h	p	Ør	s	Øt
WI 411/3	44	26	30	40	9	5	30	10.5	20	4.4	20	3.4
WI 411/5	61.5	31.5	45	60	14	7.5	45	16	15	5	28	5
WI 411/6	64	42	45	60	14	7,5	45	20.5	15	5	28	5
WI 411/7	78	45	54	74	17	10	54	21	20	6.5	37	6.5
WI 411/9	90	56	66	88	19	11	66	32.5	44	8	44	8