

## AC Electromagnet Low frequency range (13 Hz)

### Type WI 311

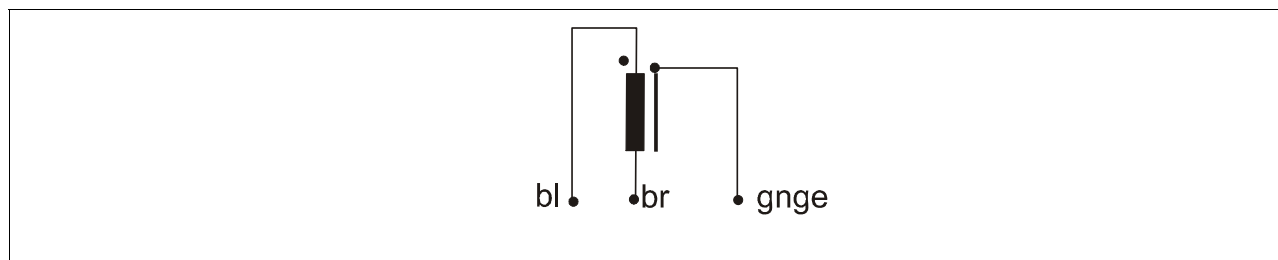
#### Applications:

Material handling process  
Vibratory conveyors  
Material sorters  
Parts feeders  
Vibration drive systems



Conforming to DIN VDE 0580	Test voltage 4000 V AC, 50Hz, 2 sec windings to core
Rated voltage U = 200 V AC	Controller type REOVIB MFS
Flammability UL 94 V0	Oscillations 960-3600 1/min.

#### Circuit



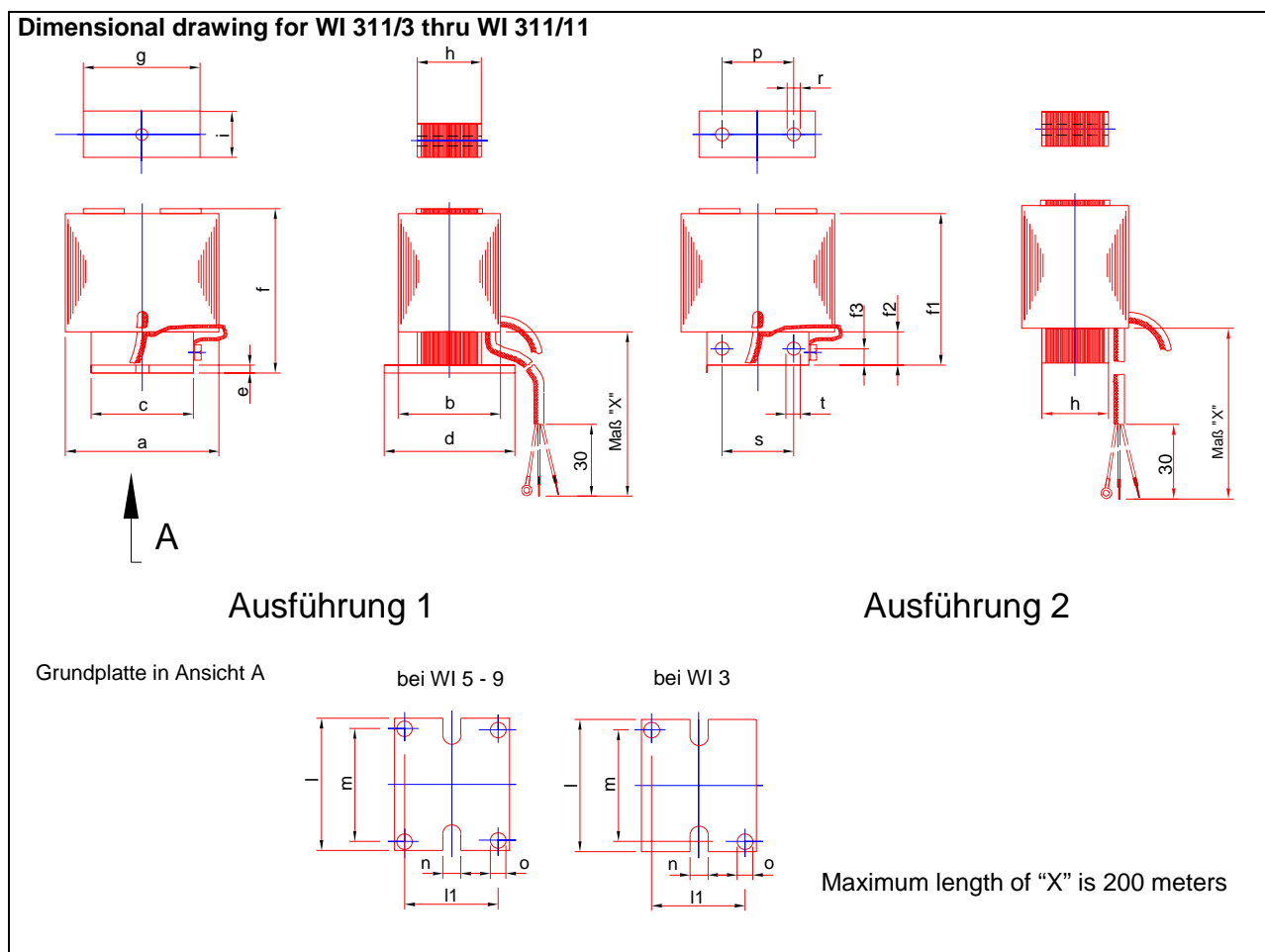
#### Benefits:

- compact and robust design
- simple installment
- small footprint
- special design available
- standard cord length, 2 meters

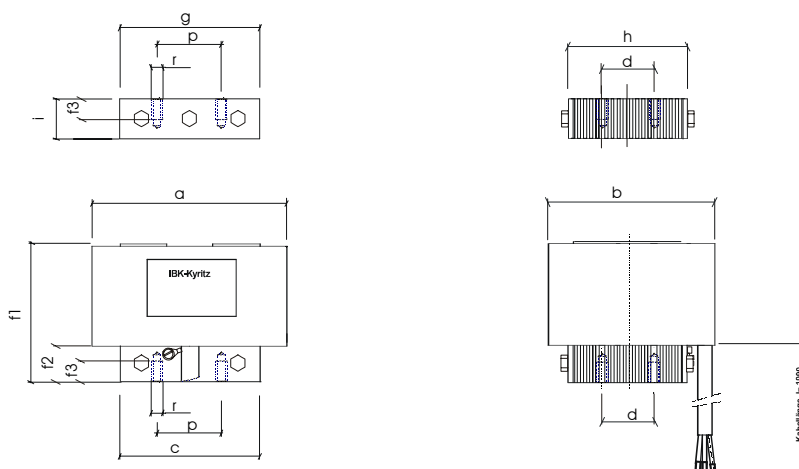
### Technical data

Type	Coil gap (mm)	Power VA	Frequency of oscillation with max. coil gap (Hz)	Weight in kg	
				Magnet	Armature
WI 311/3	2.0	5.4	10 - 30	0.135	0.025
WI 311/5	2.0	20	10 - 30	0.405	0.085
WI 311/7	2.5	60	10 - 30	1.150	0.165
WI 311/9	3.0	126	17 - 30	1.980	0.330
WI 311/11	6.0	138	8 - 30	6.3	0.9
WI 311/14	3.0	340	13 - 30	6.8	1.4
WI 311/16	3.0	620	13 - 25	10.5	2.6

The VA values were determined with nominal air gap under no load conditions. Limit value for the heating up as per calibration set-up VDE 0580.



**Dimensional drawing for WI 311/14 thru WI 311/16**



**Dimensions (mm)**

Type	a	b	c	d	e	f	f1	f2	f3	g	h	i	l	l1	m	ø <sub>n</sub>	ø <sub>o</sub>	p	r	s	ø <sub>t</sub>
WI 311/3	44	26	30	-	-	-	40	9	5	30	10,5	10	-	-	-	-	-	20	3,6	20	3,6
WI 311/5	61,5	31,5	45	-	-	-	60	14	7,5	45	16	15	-	-	-	-	-	15	5	28	5
WI 311/7	78	45	54	60	3	77	74	17	10	54	21	20	45	40	45	7,0	5,5	20	6,5	37	6,5
WI 311/9	90	56	66	-	-	-	88	19	11	66	32,5	22	-	-	-	-	-	44	8	44	8
WI 311/11	130	94	90	-	-	-	120	25	15	90	52	30	-	-	-	-	-	60	7,8	60	7,8
WI 311/14	155	110	108	-	-	-	90,5	23	15	108	68	26,5	-	-	-	-	-	50	M10	-	-
WI 311/16	155	168	108	80	-	-	90,5	23	15	108	126	26,5	-	-	-	-	-	50	M10	-	-