

AC-Electromagnets WI

Type WI 111

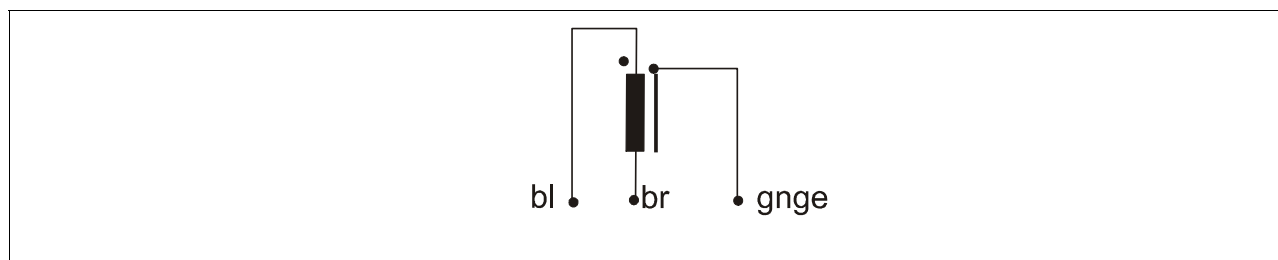
Applications:

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 = 230 V AC	Rated frequency f = 50 Hz
Flammability UL 94 V0	Vibrations 3000 / 6000 1/min.

Circuit



Benefits:

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

Technical data

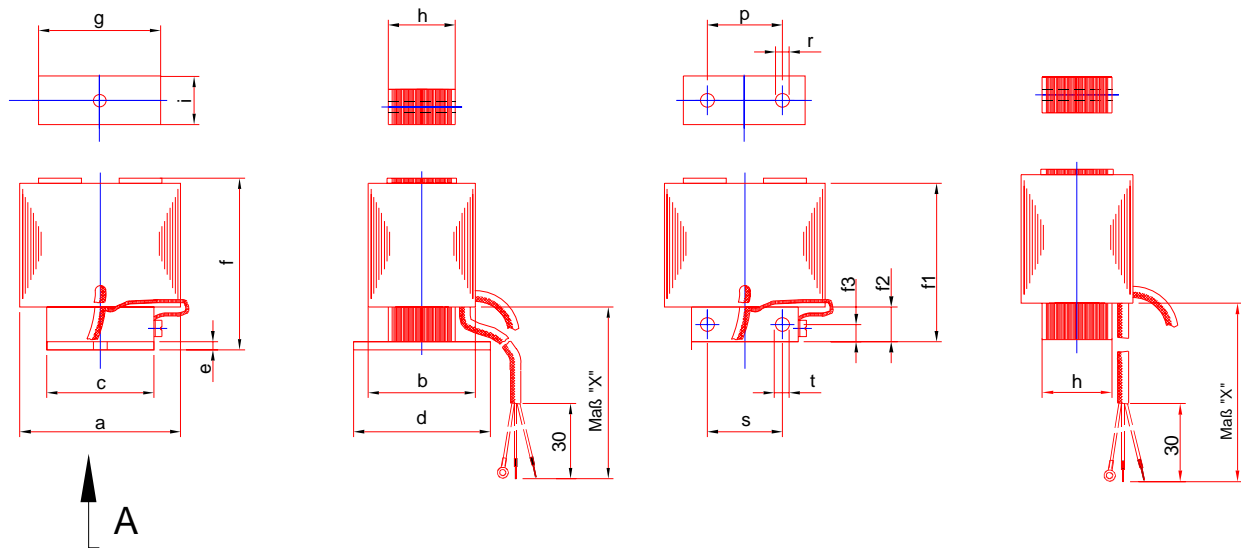


Type	Max. rated air gap (mm)	Connection to 50 Hz 6000 1/min. (VA)	Max. pull power (approx.) with max air gap F(N)	Half wave 3000 1/min.	Max. pull power (approx.) with max air gap F(N)	Weight in kg	
				(VA)		F(N)	Magnet magnet
WI 111/3	2	12	4	10	5	0,135	0,025
WI 111/5	1	60	55	47	38	0,405	0,085
WI 111/6	2,5	70	15	68	24	0,580	0,110
WI 111/7	3	138	43	129	45	1,150	0,165
WI 111/9	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 air 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



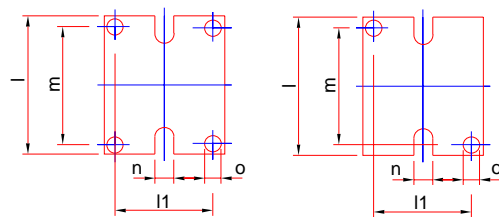
Ausführung 1

Ausführung 2

Grundplatte in Ansicht A

bei WI 5 - 9

bei WI 3



Maß "X" Standardlänge 200 mm
Andere Maße nach Kundenwunsch

Dimensions (mm)

Type	a	b	c	d	e	f	f1	f2	f3	g	h	i	l	l1	m	ø _n	ø _o	p	r	s	ø _t
WI 111/3	44	26	30	32	2	42	40	9	5	30	10,5	10	32	20	22	4,2	4,4	20	3,6	20	3,6
WI 111/5	61,5	31,5	45	50	3	63	60	14	7,5	45	16	15	50	35	43	4,2	4,4	15	5	28	5
WI 111/6	64	42	45	50	3	63	60	14	7,5	45	20,5	15	43	35	36	4,2	4,4	15	5	28	5
WI 111/7	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 111/9	90	56	66	83	3	91	88	19	11	66	32,5	22	66	50	66	7,0	6,4	44	8	44	8