

AC-Electromagnets

Type WI 121

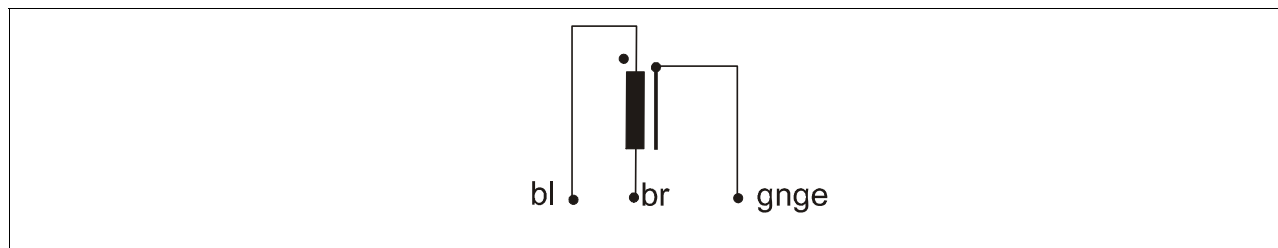
Applications:

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 = G230 V 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 meters

Technical data

Type	Max. rated air gap (mm)	Half wave rectification 3000 1/min. (VA)	Max. pull power (approx.) with max air gap F(N)	Weight in kg	
				Magnet magnet	Armature
WI 121/10	2.5	280	320	2.02	0.34
WI 121/12	3.0	425	500	2.8	0.62
WI 121/14	3.0	1200	1400	6.8	1.4
WI 121/16	3.0	2060	2700	10.5	2.6
WI 121/18	3.0	4160	6500	28	6

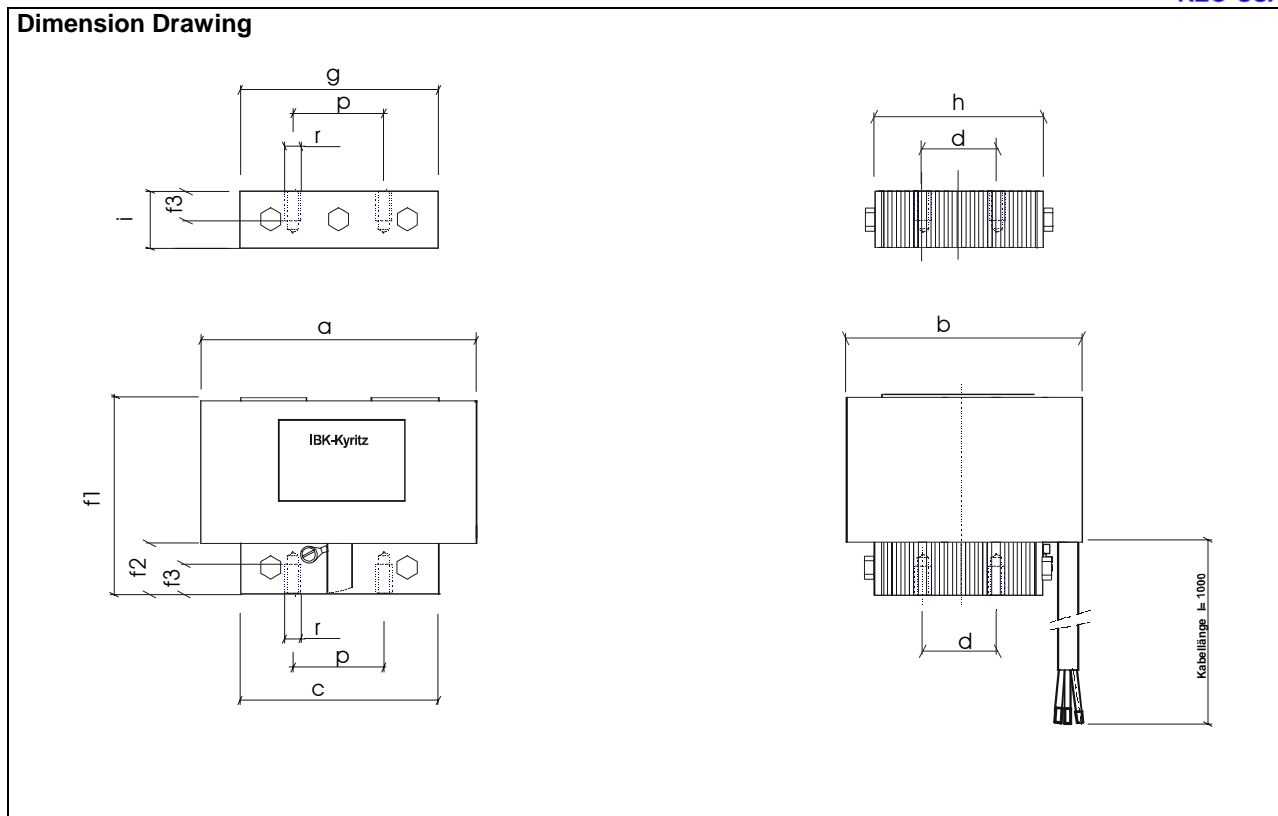
The pull power values given in the table refer to warmed-up condition and 95% of the rated voltage with a reference temperature of 35° C.

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 maximum 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



Dimensions (mm)

Type	a	b	c	d	f1	f2	f3	g	h	i	p	r
WI 121/10	100	68	66	-	61.5	12	9	66	38	17.5	30	M 6
WI 121/12	100	100	66	40	61.5	12	9	66	70	17.5	30	M 6
WI 121/14	155	110	108	-	90.5	23	15	108	68	26.5	50	M 10
WI 121/16	155	168	108	80	90.5	23	15	108	126	26.5	50	M 10
WI 121/18	230	170	169	65	128.5	42	21	169	120	47.5	75	M12