

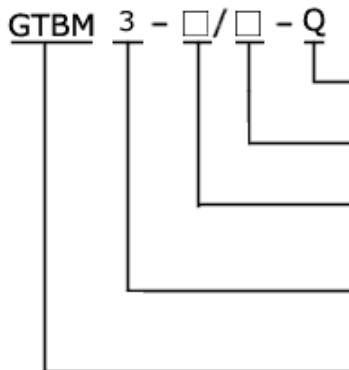


Non-contact Magnetism-maintaining At Power Failure Control System

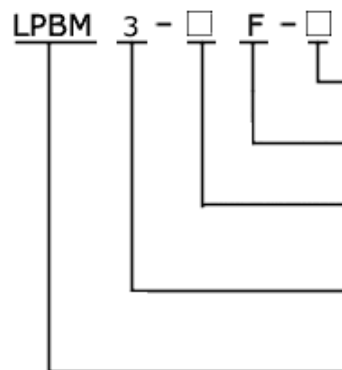
Product series GTBM3 is a kind of non -contact magnetism -maintaining at power failure control system developed based on product series GTBML, which integrates all functions of product series GTBML as well as the following features:

1. Switch guiding system using international advanced IGBT technology featuring rapid switching time, low power consumption, easy control and safe short circuit protection.
2. Control mode using electronic digital control technology and single board computer chip command to precisely control all analogue indexes so as to improve the precision of all technical data. Its multi-line error detecting system ensures high reliability and strong integrity protection function to minimize the error rate of all spare parts.
3. Using low signal to control high power components-Using non -contact electronic switches to control the changeover of attaching and releasing operation. Protection contactors are engaged or disengaged by zero current operating modes. No electric spark, no noise, no mechanical vibration and no electromagnetic interference.
4. Super control system using multi -point voltage detection to monitor over voltage, under voltage and power failure, featuring rapid response, accurate reset and battery capacity alarm. Thus, errors under magnetism maintaining at power failure caused by the batteries in long-term service can be avoided.
5. Using multi-point current detection to make alarm signals upon short circuit, over current, circuit loop blocked and alert the customer to turn off the machine to check, All alarms have positioning indicators for easy maintenance.
6. Using contravariant return storage technology to feed the energy back to power supply network.

Model designation



Strong field excitation mode
Magnetism sustaining time (1 min)
Rated output current (A)
Design code
power-cut magnetism sustaining unit



C for indoor type; D for outdoor type
With discharge circuit mode
Rated output power (KW)
Design code
Magnetism sustaining & regulating unit

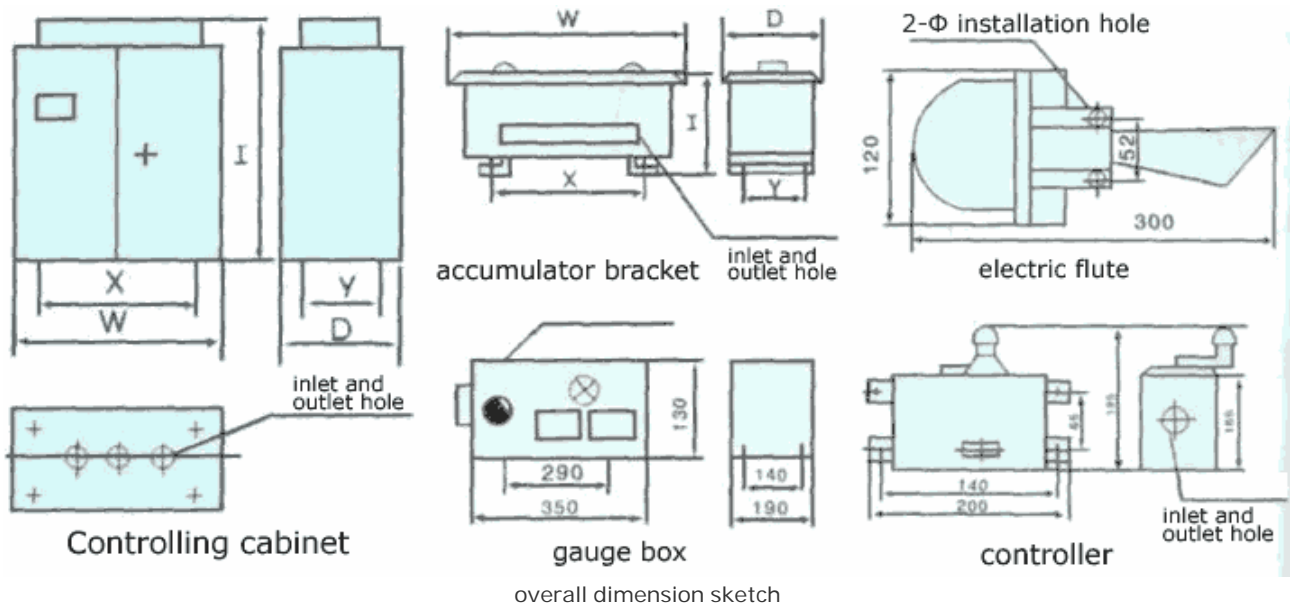
Main technical data

Completeset of unit model	GTBM3-40	GTBM3-60	GTBM3-100	GTBM3-150	GTBM3-200	LPBM3-7F-C	LPBM3-15F-C	LPBM3-25F-C	LPBM3-40F-C
input voltage	AC380/3Φ					AC380/3Φ			
output voltage	DC-220V					DC0-180V 220V			
output	40A	60A	100A	150A	200A	7KW	15KW	25KW	40KW
magnetism sustaining time	5min; 10min; 15min; 20min; 30min					5min; 10min; 15min; 20min; 30min			

Attentions for model selection

1. The rated voltage of the electromagnet is in conform with the output voltage of the equipments; The total current (consumption power) of the electromagnet shall be less than or equal to the output current (power) of the commutation controlling units.
2. Electromagnetic band-type brake of lifting device of the lift equipment shall be changed into DC electromagnetic band-type brake when the UPS power source of the crane is not available.

3. Environment working temperature shall be over 50°C, If there is offer special requirements for modification.enlarging the capacity and etc, shall note controlling cabinet when ordered.



Equipment integration

Corollary equipment		Number									overall dimension (mm)					Mass (kg)
Name	Model	GTBM3-40	GTBM3-60	GTBM3-100	GTBM3-150	GTBM3-200	LPBM-7F-C	LPBM3-15F-C	LPBM3-25F-C	LPBM3-40F-C	W	D	H	X	Y	
Commutation controlling units	GTBM3-40	1									900	450	1750	800	350	250
	GTBM3-60		1								900	450	1750	800	350	250
	GTBM3-100			1							900	450	1750	800	350	300
	GTBM3-150				1						900	450	1750	800	350	320
	GTBM3-200					1					900	450	1750	1000	350	350
	LPBM3-7F-C						1				900	450	1750	800	350	250
	LPBM3-15F-C							1			900	450	1750	800	350	300
	LPBM3-25F-C								1		900	450	1750	800	350	320
	LPBM3-40F-C									1	1100	450	1750	1000	350	350

main rectifier (attached outside)	ZSG-10/0.5	1								460	440	480	385	310	100	
	ZSG-15/0.5		1				1			460	400	480	385	310	120	
	ZSG-20/0.5							1		600	510	675	500	410	160	
	ZSG-25/0.5			1						600	510	675	500	410	160	
	ZSG-30/0.5				1					600	510	675	500	410	200	
	ZSG-35/0.5							1		600	510	675	500	410	200	
	ZSG-45/0.5						1		1	710	600	675	640	480	240	
Accumulator	6FM-65	18					18			350	166	174			24	
	6FM-100		18					18		330	174	240			35	
	6FM-150			18		36			18	490	174	245			47	
	6FM-200				18				18	520	238	240			65	
accumulator bracket	GXM-65	1					1			1800	400	800	1700	350	60	
	GMX-100		1					1		2000	400	800	1900	350	80	
	GMX-150			1		2			1	2000	500	800	1900	350	100	
	GMX-200				1				1	2500	600	800	2400	550	120	
gauge box	MBP1-211S	1								350	190	130	290	140	5	
Controller	LC-4S2-2						1				325	135	352	300	150	12
Controller	KK	1									100	75	75	65	52	0.5
electric flute	SA-DC24V	1														1

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