



Electromagnetic Brake and Clutch Systems



EMF Electromagnetic Brake and Clutch Systems LTD.

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PRODUCT CODE : YBF-05

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General Informations

Max. Torque	: 90 Nm	Maximum Speed (rpm)	: 5000
Min. Torque	: 64 Nm	Inertia (10-3 kgm2)	: 0,64
Air Gap	: 0.3 mm	Max. Air Gap after Wear	: 0,7 mm
Static Torque	: 78 Nm (2mm)	Hub Dimension Range	: 18-28 mm
Dynamic Torque	: 75 Nm (2mm)	Body Material	: Cast Iron
Weight (KG)	: 7,9	Protection Class	: IP 40/IP56
Manual Release Rod	: Optional	Dust Protection Ring	: Optional
Micro / Proximity Switch	: Optional	Terminal Box	: Optional

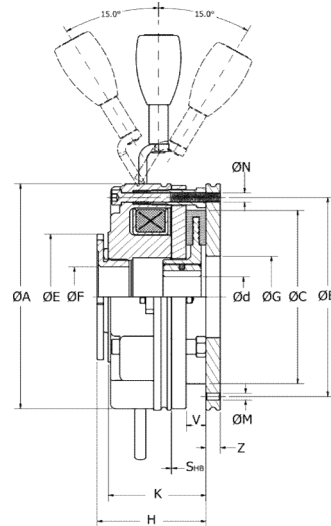
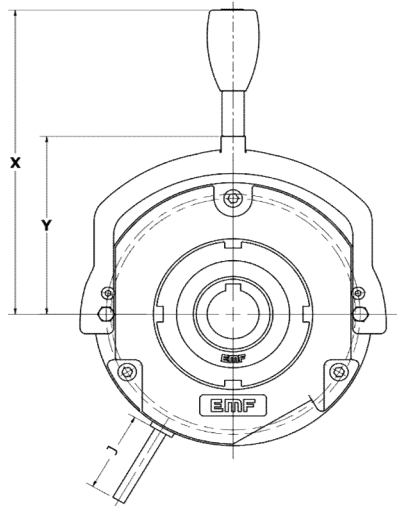
Electrical Informations

SWITCHING

Voltages (V)	Consumption (Watt)	Release Time (t2)		Engaging Time (t1)		Delay Time (t11)		Current
		AC	DC	AC	DC	AC	DC	
24	51	~290 ms	~100 ms	~250 ms	~40 ms	~152 ms	~25 ms	2,143 A
205	56	~290 ms	~100 ms	~250 ms	~40 ms	~152 ms	~25 ms	0,274 A

Note : It requires a rectifier

Mechanical Dimensions



Size	d(H7)	A	B	C	E	F	G	H	K
YBF-05	18-28	165	145	126	98	50	61	79	71

Size	J	M	N	SHB	V	X	Y	Z	Weight (KG)
YBF-05	750	3x8.5	3xM8	0.3	13	200	110	11	7,9

All dimensions in mm

Keyway acc. to DIN 6885/1

Weight with mounting flange

All data are averaged results of tests. Reasonable variations in data can be expected. Data is not to be use for specification purposes. Product data is periodically updated to reflect product / raw material / process / testing changes. Please contact us to make sure that you have the most current data.