



Data sheet for SIMOTICS XP 1MT0003 Low-Voltage Flameproof Motor

1MT0003系列低压隔爆电动机数据表

MLFB-Ordering data: 1MT0003-3BC53-3AA4

Flameproof grade: Ex db IIB T4 Gb



Motor type:

Client order no.:

Order no.:

Offer no.:

Remarks:

U	Δ / Y	f	P	P	I	n	M	NOM. EFF at ... load [%]			Power factor at ... load			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _A /I _N	T _I /T _N	T _B /T _N	
380	D	50	220	- / -	415	993	2116	95.8	96.0	- / -	0.84	- / -	- / -	8.5	3	2.4	IE3
660	Y	50	220	- / -	240	993	2116	95.8	96.0	- / -	0.84	- / -	- / -	8.5	3	2.4	IE3
IM B3			FS 355L		2070kg	IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data / 机械性能数据

Sound pressure level 50Hz/60Hz 声压等级 50Hz/60Hz (负载)	71 dB(A)	- / -
Moment of inertia 转动惯量	13.09 kgm ²	
Bearing DE NDE 轴承 DE NDE	6320 C3	6320 C3
Bearing lifetime 轴承寿命	- / -	
Lubricants 润滑油	BME	
Regreasing device 再润滑装置	Yes	
Grease nipple 油杯	M10x1	
Type of bearing 轴承类型	floating bearing DE 驱动端轴承浮动	
Condensate drainage holes 排水孔	No	
External earthing terminal 外部接地	Yes	
Vibration class 振动等级	A	
Insulation 绝缘等级	155(F)	
Duty type 工作方式	S1	
Direction of rotation 旋转方向	bidirectional 双向	
Frame material 机座材料	cast iron 铸铁	
Data of anti condensation heating 防潮加热	-/-	
Coating 喷漆	Yes	
Color 颜色	RAL7011	
Motor protection 电机保护	- / -	
Method of cooling 冷却方式	IC411 - self ventilated, surface cooled IC411 - 自扇冷	

Terminal box / 接线盒

Terminal box position 接线盒位置	top 顶部
Material of terminal box 接线盒材料	cast iron 铸铁
Type of terminal box 接线盒型号	- / -
Hoop gland diameter 接线盒直径 (mm)	2xΦ90
Cable diameter 外接电缆直径 (mm)	30 ~ 31 / 35 ~ 36 / 44 ~ 45 / 49 ~ 50
Max. auxiliary terminals 最大辅助端子数	- / -
Auxiliary cable entry 辅助进线孔	- / -
Main terminal thread 接线端子螺纹	6xM16
Cable gland 葛兰	- / -

Special design / 特殊设计

Environmental conditions

Ambient temperature 环境温度	-20 °C ~ +40 °C
Altitude above sea level 海拔高度	1000 m

Unrestricted

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

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Unrestricted