



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: 1MT0003-1CB23-3AA4

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 ₁ /I _N	T ₁ /T _N	T _B /T _N	
380	Δ	50	7.50	- / -	14.80	1455	49.2	90.4	91.7	- / -	0.85	- / -	- / -	7.8	2.4	3.8	IE3
660	Y	50	7.50	- / -	8.50	1455	49.2	90.4	91.7	- / -	0.85	- / -	- / -	7.8	2.4	3.8	IE3
IM B3			FS 132M		105 kg	IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data / 机械性能数据

Sound pressure level 50Hz/60Hz (load)	59 dB(A)	- / -
声压等级 50Hz/60Hz (负载)		
Moment of inertia	0.035	kgm ²
转动惯量		
Bearing DE NDE	6308 2RZ C3	6308 2RZ C3
轴承 DE NDE		
Bearing lifetime	- / -	
轴承寿命		
Lubricants	- / -	
润滑油		
Regreasing device	No	
再润滑装置		
Grease nipple	- / -	
油杯		
Type of bearing	floating bearing DE and NDE	驱动端和非驱动端轴承浮动
轴承类型		
Condensate drainage holes	No	
排水孔		
External earthing terminal	Yes	
外部接地		
Vibration class	A	
振动等级		
Insulation	155(F)	
绝缘等级		
Duty type	S1	
工作方式		
Direction of rotation	bidirectional	
旋转方向		双向
Frame material	cast iron	
机座材料		铸铁
Data of anti condensation heating	- / -	
防潮加热		
Coating	Yes	
喷漆		
Color	RAL7011	
颜色		
Motor protection	- / -	
电机保护		
Method of cooling	IC411 - self ventilated, surface cooled	
冷却方式		IC411 - 自扇冷

Terminal box / 接线盒

Terminal box position	top
接线盒位置	顶部
Material of terminal box	cast iron
接线盒材料	铸铁
Type of terminal box	- / -
接线盒型号	
Hoop gland diameter	1xΦ42
接线斗直径(mm)	
Cable diameter	13~14/19~20
外接电缆直径(mm)	/24~25
Max. auxiliary terminals	- / -
最大辅助端子数	
Auxiliary cable entry	- / -
辅助进线孔	
Main terminal thread	6xM5
接线端子螺纹	
Cable gland	- / -
葛兰	

Special design / 特殊设计

Environmental conditions / 环境条件

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

Unrestricted

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

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