



## 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: 1MT0003-2BD03-3AA4

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 <sub>A</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub>	M <sub>K</sub> /M <sub>N</sub>	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I <sub>A</sub> /I <sub>N</sub>	T <sub>A</sub> /T <sub>N</sub>	T <sub>B</sub> /T <sub>N</sub>	
380	D	50	18.5	- / -	41.5	732	241	90.1	90.9	- / -	0.75	- / -	- / -	6.5	2	3	IE3
660	Y	50	18.5	- / -	24	732	241	90.1	90.9	- / -	0.75	- / -	- / -	6.5	2	3	IE3
IM B3			FS 225S		331kg	IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data / 机械性能数据				Terminal box / 接线盒	
Sound pressure level 50Hz/60Hz 声压等级 50Hz/60Hz (负载)	58 dB(A)	- / -		Terminal box position 接线盒位置	top 顶部
Moment of inertia 转动惯量	0.552 kgm <sup>2</sup>			Material of terminal box 接线盒材料	cast iron 铸铁
Bearing DE   NDE 轴承 DE   NDE	6313 C3	6313 C3		Type of terminal box 接线盒型号	- / -
Bearing lifetime 轴承寿命	- / -			Hoop gland diameter 接线斗直径 (mm)	1xΦ72
Lubricants 润滑脂	- / -			Cable diameter 外接电缆直径 (mm)	19 ~ 20/25 ~ 26 /31 ~ 32/37 ~ 38/41 ~ 42
Regreasing device 再润滑装置	No			Max. auxiliary terminals 最大辅助端子数	- / -
Grease nipple 油杯	- / -			Auxiliary cable entry 辅助进线孔	- / -
Type of bearing 轴承类型	floating bearing DE 驱动端轴承浮动			Main terminal thread 接线端子螺纹	6xM8
Condensate drainage holes 排水孔	No			Cable gland 葛兰	- / -
External earthing terminal 外部接地	Yes			Special design / 特殊设计	
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				

#### 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.

Page 1/1

Version:2022.05

Unrestricted