



## 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: 1MT0003-2DC03-3AA4

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>I</sub> /T <sub>N</sub>	T <sub>B</sub> /T <sub>N</sub>	
380	D	50	45	- / -	87	988	435	93.7	94.5	- / -	0.84	- / -	- / -	7.8	3.2	3	IE3
660	Y	50	45	- / -	50	988	435	93.7	94.5	- / -	0.84	- / -	- / -	7.8	3.2	3	IE3
IM B3			FS 280S		575kg	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)	64 dB(A)	- / -
Moment of inertia 转动惯量	1.484 kgm <sup>2</sup>	
Bearing DE   NDE 轴承 DE   NDE	6317 C3	6317 C3
Bearing lifetime 轴承寿命	- / -	
Lubricants 润滑油	2# Li Grease	
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)	2xΦ72
Cable diameter 外接电缆直径 (mm)	19 ~ 20/ 25 ~ 26/ 31 ~ 32 /37 ~ 38 /41 ~ 42
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	6xM10
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