



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: 1MT0003-1AB59-0AA4

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 _I /I _N | T _I /T _N | T _B /T _N | |
| 380 | Y | 50 | 3 | - / - | 6.3 | 1440 | 19.9 | 87.7 | 88.1 | - / - | 0.82 | - / - | - / - | 8.3 | 3 | 4 | IE3 |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| IM B3 | | | FS 100L | | 61kg | 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) | 52 dB(A) | - / - | Terminal box position 接线盒位置 | top 顶部 |
| Moment of inertia 转动惯量 | 0.0132 kgm² | | Material of terminal box 接线盒材料 | cast iron 铸铁 |
| Bearing DE NDE 轴承 DE NDE | 6306-2RZ C3 | 6306-2RZ 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) | 1xΦ42 |
| Lubricants 润滑脂 | - / - | | Cable diameter 外接电缆直径 (mm) | 13 ~ 14/19 ~ 20/24 ~ 25 |
| 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 and NDE 驱动端和非驱动端轴承浮动 | | Main terminal thread 接线端子螺纹 | 3xM5 |
| 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

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