



····· Tacwell 电动执行器

- ◆充分保证小体积、大扭矩、易操作、便维护的要求，确保在不同工况条件下稳定运行。
- ◆电机、传动装置和控制元件分腔室布置，互不干扰，节省空间，便于维护。
- ◆多极齿轮和蜗轮蜗杆传动系统传动精确，可自锁定位。
- ◆智能一体化结构易于操作。
- ◆过热、过力矩和超限位等多重保护功能确保电动执行器安全运行。
- ◆优异性能是基于精心选材和对每个元件的一系列严格测试而得到保证。
- ◆型号齐全，多种附件备选，ISO 5211标准连接方式。

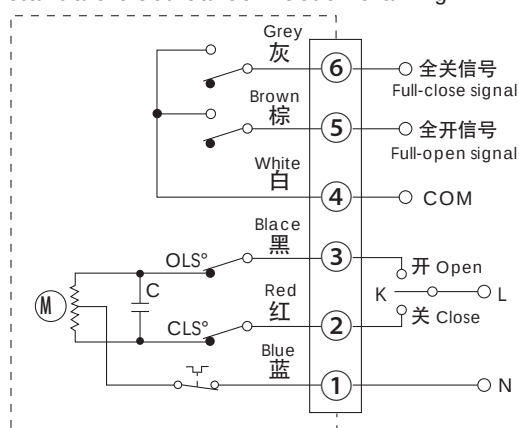
····· 设计特性 DESIGN FEATURES

- ◆重量轻 Light
- ◆体积小 Compact
- ◆扭矩大 Powerful

- ◆Compact structure, large torque, easy operation and convenient maintenance ensure of stable function under different working conditions.
- ◆Motor, gearing and control elements in separate rooms for less space and easier maintenance without interference.
- ◆Multi-class gears and worm gearing bring precise transmission and self-lock positioning.
- ◆Intellectualized integrative structure for easier operation.
- ◆Multiple protection including over heating, over torque and over limit position ensure electric actuators of safe running.
- ◆Careful choice of raw materials and a series of strict tests for each element guarantee our excellent performance.
- ◆Complete models with various accessories and connection according to ISO5211.

标准电气接线图

Standard electrical connection drawing



技术特点

转 角：90° (最大100°)
工作效率：50%
最大扭矩：50-2000Nm (见特性表)
工作电压：230V AC (±10%) 50/60Hz单相
绝 缘：100M /500Vdc
耐 压：1500Vac/分钟
电机绝缘等级：E级
工作温度：-23℃至60℃ (如果应用于0℃以下，
建议适用抗冷凝物质)
防护等级：IP67 (符合NEM A4.4X)
安装法兰：F03-F14 (ISO 5211标准)
电机过热自动保护
限位开关带全行程可调凸轮
安全可调机械限位开关
可视位置指示
用于手动操作的可分离手柄
螺钉接线端子/专用电缆固定头
最大噪音：73dB

选项 (订货时需申明)

电 压：24Vdc-115Vac-380Vac
现场远程转换开关
扭矩限制器
位置电位计：135/500/1K ohm s
阀位变送器：R/L4-20mA DC (***)
速度控制器：30-240s (***)
空间加热器
驱动轴接头

ACTUATOR FEATURES

Actuator ON-OFF; working angle 90°(100°Max.).
Service 50%
Maximum torque from 50 to 2000 Nm.(see the table)
Supply voltage 230Vac(±10%)50/60 Hz 1Ph
Insulation resistance 100M/500 Vdc
Tension insulation 1500 Vac/1 minute
Motor with Class E insulation
Working temperature from -23℃ to +60℃(for use in
temperatures below 0℃,we suggest anti-condensate
elements)
Protection according to NEMA 4,4X rules(IP67)
Coupling flange for the valve from F03 to F14:ISO 5211.
Auto-reset thermostatic protection in the motor.
Open/close limit switch with cams adjustable along
the whole stroke.
Auxiliary limit switches with cams adjustable along
the whole stroke.
Safety adjustable mechanical limit switchse.
Graduated visual position indicator
Detachable lever for manual operation
Electric connectons with screw terminals
Locking of supply cables by means of cable presse.
Maximum working noise: 73dB.

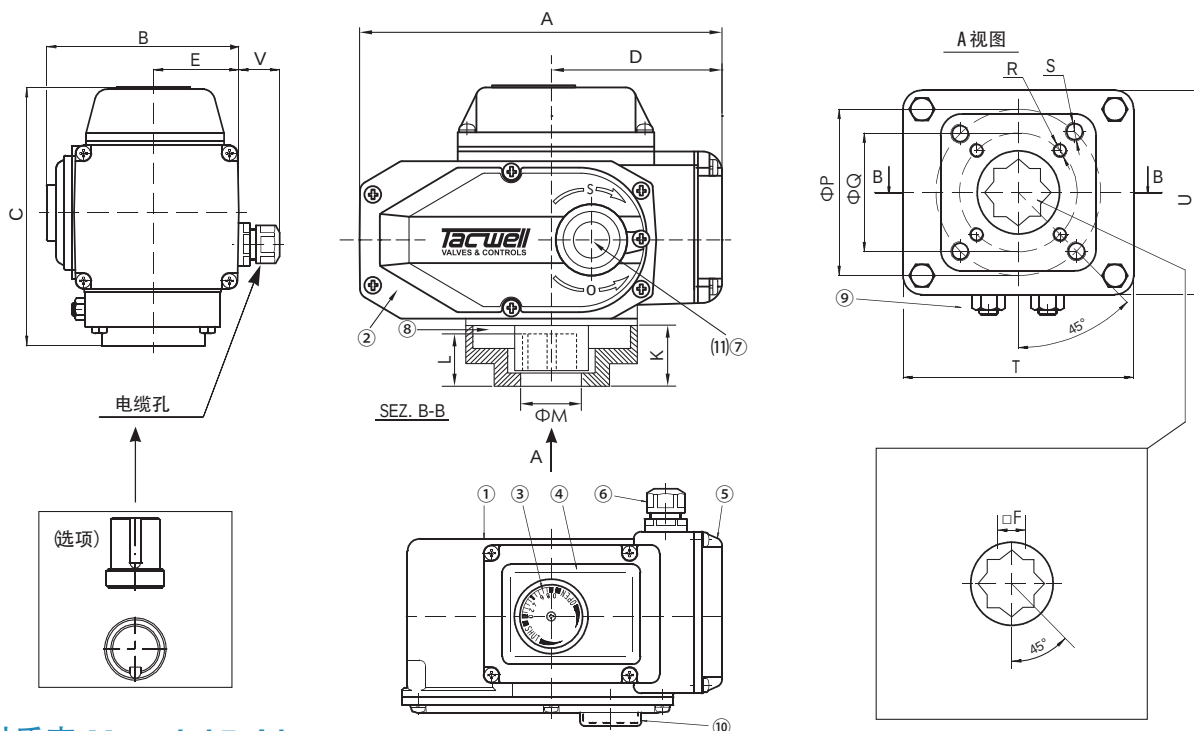
OPTIONAL(must be requested when placing the order)

Feeding voltage: 24Vdc-115Vac-380Vac
Local/remote control switches
Torque limiters.
Positional potentiometer: 135/500/1K ohms.
Positonal converter: R/L 4-20mA DC(**).
Speed control unit: 30-240s(***)
Space heater.
Driv socket.

型号 / MODEL	TE50	TE100	TE200	TE400	TE600	TE1000	TE1600	TE2000
扭矩 / Torque(Nm)	50	100	200	400	600	1000	1600	2000
动作时间 / 90° Action time	20	30	30	30	45	30	48	60
消耗电流 / Consumption 24Vdc	1.28	2.03	3.57	5.13	6.04	/	/	/
消耗电流 / Consumption 115Vac	0.24	0.57	0.65	1.12	1.18	1.93	1.75	1.75
消耗电流 / Consumption 220Vac	0.16	0.35	0.37	0.57	0.6	0.94	0.96	0.98
消耗电流 / Consumption 380Vac	0.07	0.1	0.15	0.29	0.29	0.44	0.46	0.48
重量 / Weight(kg)	2.7	3.6	8.5	9	9.5	18	20	20.5

TE/TM材质表及尺寸表

TE/TM MATERIAL TABLE AND DIMENSION TABLE



材质表 Material Table

1	阀体 / Body	铸铝 / Aluminium
2	手动传动箱 / Manual gear box cap	铸铝 / Aluminium
3	位置指示器 / Position indicator	玻璃 / Glass
4	电气盖板 / Electric-set cap	铸铝 / Aluminium
5	接线盒盖 / Terminal-box cap	铸铝 / Aluminium
6	电缆固定头 / Cable press	工程塑料 / Nylon 66
7	手柄连接 / Lever connection	钢 / Steel
8	轴接头 / Female shaft	钢 / Steel
9	安全停止 / Security stops	不锈钢 / Stainless steel
10	手柄连接保护 / Protections for lever connection	丁晴橡胶 / NBR
11	控制手柄 / Lever	不锈钢 / Stainless steel

外形尺寸表 Dimension Table

开关型(TE) 调节型(TM)	TE50 TM50	TE100 TM100	TE200 TM200	TE400 TM400	TE600 TM600	TE1000 TM1000	TE1600 TM1600	TE2000 TM2000
A (mm)	160	196		255			310	
B (mm)	113	121		158			217	
C (mm)	125	158	196	196	196	212	212	232
D (mm)	77	98		134			162	
E (mm)	49	50		63			87	
□F (mm)	11	14	17	22	22	27	36	36
K (底板高) (mm)	22	32	48	48	48	50	50	70
L (孔深) (mm)	19	19	25	25	25	30	30	48
ISO-5211	F03-F05-F07	F05-F07		F07-F10			F10-F12	F14/F16
ΦP (mm)	70	70		102			125	165
ΦQ (mm)	50/36	50		70			102	140
R x prof.depth (mm)	M6/M5*10	M6*10		M8*12			M10*20	M14*20
S x prof.depth (mm)	4*M8*12	4*M8*12		M10*16			M12*20	M16*20
T (mm)	80	98		135		140	140	200
U (mm)	72	86		106		160	160	200
V (mm)	24	24	24	24	24	24	24	24
Peso Weight (kg)	2.2	3.2	8.5	9.0	9.5	18.0	18.5	19.0