



Electric Actuator

Product model

STR **–** **–**

***1** ***2** ***3** ***4**

RT: Rotary Torque

*1: product code

*2: torque

*3: Blank – switching mode, no additional function

PK – potentiometer output (0 – 1k Ω)

RPC – adjustable proportional controller

LP – selection of field and long-range control

LM – adjustable proportional controller, selection of field and long-range control

*4: Blank: standard

EX: anti-explosion



Features

- Exquisite design, excellent performance, light weight and big output torque.
- The inside and outside of closure is treated by hard oxygen, while epoxy resin + powder spraying are adopted for external treatment, which posses good antiseptic performance.
- Protective grade of product is upward of IP67.
- Connection dimension of output end is in accordance with the National Standard ISO5211.
- Connection shaft sleeve can be replaced, and easily processed and installed.
- Double worm wheels structure, which has self-locking function, and is of external adjustable mechanical limit.
- Power-driven/manual operation mode can be changed easily through hand shank, then automatic reset to electronic control after power on.
- Built-in torque switch, and carry out overload protection on electric actuator. Moreover, it embedded thermal protector to carry out dual-protection on electrical machine.
- Indicate the valve position continuously by big window for better viewing.
- Multiple filed control unit, provide the best performance according to the requirement of users.
- Intelligent control unit could be selected.



Technical Parameters

Model	STRT40	STRT100	STRT160	STRT240	STRT350	STRT500	STRT800	STRT1100	STRT1500	STRT3000
Output torque (NM)	40	100	160	240	350	500	800	1100	1500	3000
Load factor (%)	50	40	30	30	30	30	30	30	30	30
Actuation time (s)										
50Hz	15	27	28	28	33	33	40	40	99	120
60Hz	13	22	22	22	28	28	33	33	83	100
Max. axle hole dimensions										
Circle(Φ)	15	22	25	25	40	40	48	48	75	75
Square(Φ)	14	20	23	23	34	34	40	40	64	64
Rated current										
1phase/110V/50Hz	0.27	0.98	1.60	1.62	2.80	3.60	3.90	3.90	3.60	3.90
60Hz	0.33	1.10	1.70	1.72	2.90	3.90	4.20	4.30	3.90	4.30
1phase/220V/50Hz	0.18	0.52	0.85	0.87	1.20	1.50	2.05	2.15	1.50	2.15
60Hz	0.22	0.58	0.90	0.90	1.30	1.60	2.20	2.30	1.60	2.30
3 phase/380V/50Hz	–	0.43	0.30	0.32	0.40	0.52	0.82	0.84	0.52	0.84
60Hz	–	0.33	0.30	0.32	0.45	0.56	0.88	0.90	0.56	0.90
3phase/440V/50Hz	–	0.59	0.30	0.32	0.45	0.55	0.82	0.84	0.55	0.84
60Hz	–	0.42	0.32	0.35	0.47	0.58	0.88	0.88	0.58	0.88
Insulation class of electrical machine	E	E	E	E	E	E	E	E	E	E
ISO5211 installation dimension	F03/F05	F07	F07/F100	F07/F10	F10/F12	F10/F12	F12/F14	F12/F14	F16	F16
Weight	3	7	15	15	20	20	25	25	65	75
Number of turns of handwheel	7.5	11	12	12	14	14	17	17	65	70

Protective grade	Waterproof IP67, O-ring sea
Main power supply	110/220VAC/1Ph/50/60Hz, 380/440VAC/3Ph/50/60Hz ± 10%
Control power supply	110/220VAC/1Ph/50/60Hz ± 10%
Load factor	On-off-type
Electrical machine	Mouse cage type electrical machine
Limit switch	2 open/close (SPDT 250VAC/10A RATING)
Torque switch	One open/close(250VAC/10A RATING; except ALE40, ALE100)
Overtemperature protection	Built-in protector, open at 100 ± 5°C, close at 85 ± 10°C
Stroke	90° ± 5° (0° ~ 100°)
Valve position indicator	Continuous indication of mechanical valve position
Manual operation	Clutch (except ALE40)
Self-locking	Double worm wheels self-locking (except ALE40)
Mechanical limit	One open/close, adjustable (except ALE40)
Heater (optional)	5W condensation-proof (ALE40 2W)
Electrical interface	2 – M20 × 1.5 thread
Lubricating oil	EP-type
Terminal strip	Spring locking type
Ambient temperature	Switching mode – 20°C ~ +70°C Adjustable type – 10°C ~ +60°C
Ambient humidity	Max. 90%RH (no condensation)
Quakeproof performance	XYZ10g, 02 – 30Hz, 30min
External skin	Dry powder (PET)