

Quarter-Turn Electric Actuator

Fig : GT / GTR



Product introduction

■ Features

- ✓ Compact design
- ✓ Manual override with fixed key
- ✓ Pluggable terminal, fast wiring and commissioning
- ✓ Anti-condensation heater
- ✓ 2 motor switches and 2 auxiliary switches
- ✓ High strength alloy steel worm gears to ensure high torque transmission and mechanical resistance
- ✓ Class F insulated motor with thermic protection up to 135°C
- ✓ Overload protection : torque limiter (Except GT/GTR-05)
- ✓ Service duty S2 - 15 min for On/Off version and S4 – 50% for modulating version
- ✓ Low backlash between gears to ensure long life actuator
- ✓ High performance motor to save energy.

■ Specification

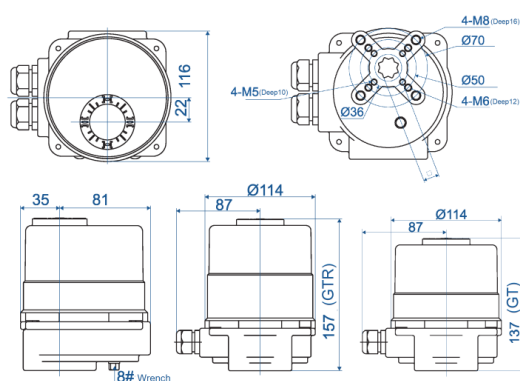
- ✓ Type : On-off ; Modulating
- ✓ Rotary 90°
- ✓ Torque value : 50 N.m to 2500 N.m
- ✓ IP protection : IP67 (IP68 Optional)
- ✓ Temperature : -25 °C to 60 °C
- ✓ Voltage : AC 24V/110V/220V/3 x 380V, DC 24V
- ✓ Relative humidity : ≤90%(25°C)
- ✓ Service duty : S2 - 15 min for On/Off version and S4 – 50% for modulating version
- ✓ Connecting flange : ISO 5211



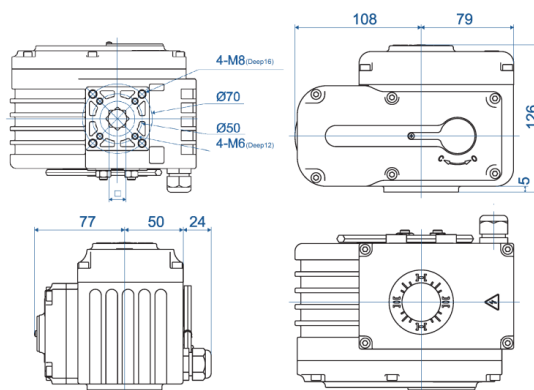
■ Technical parameters

Fig.	Power supply	Torque (Nm)	Travel time(Sec.)	Power (W)	ISO flange	Stem F x F	Stem Height(mm)	Weight (Kg)
GT /GTR-05	AC24/220/110V, DC24V	50	15/19	6	F03/F05 /F07	9x9/11x11 /14x14	≤20	2
GT /GTR-10	AC380/24/110/20,DC24V	100	23/30	25	F05/F07	11x11/14x14 /17x17	≤32	4.5
GT /GTR-20	AC380/24/110/20,DC24V	200	23/30	40	F07/F10	14x14/17x17 /22x22	≤44	10
GT /GTR-40	AC380/24/110/20,DC24V	400	23/30	60	F07/F10	14x14/17x17 /22x22	≤44	10
GT /GTR-60	AC380/24/110/20,DC24V	600	23/30	90	F07/F10	27x27	≤44	10
GT /GTR-100	AC380/24/110/20,DC24V	1000	23/30	120	F10/F12	22x22/27x27	≤30	26
GT /GTR-160	AC380/24/110/20,DC24V	1600	32/42	120	F10/F12	22x22/27x27	≤30	26
GT /GTR-250	AC380/24/110/20,DC24V	2500	53/70	120	F14/F16	27x27/36x36	≤48	28

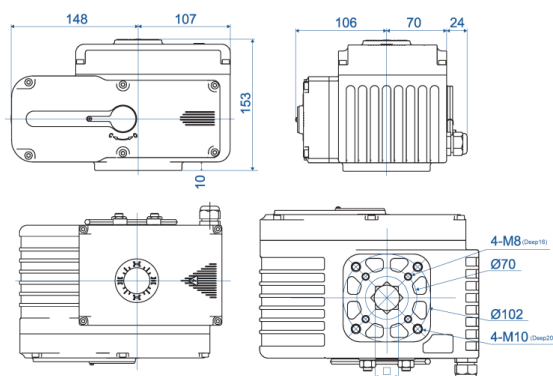
■ Dimension (mm)



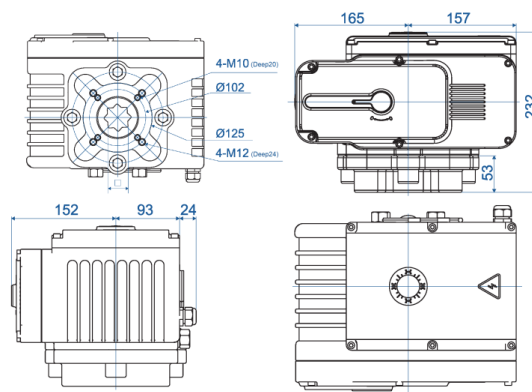
GT/GTR-05



GT/GTR-10



GT/GTR-20 & 40 & 60



GT/GTR-100 & 160

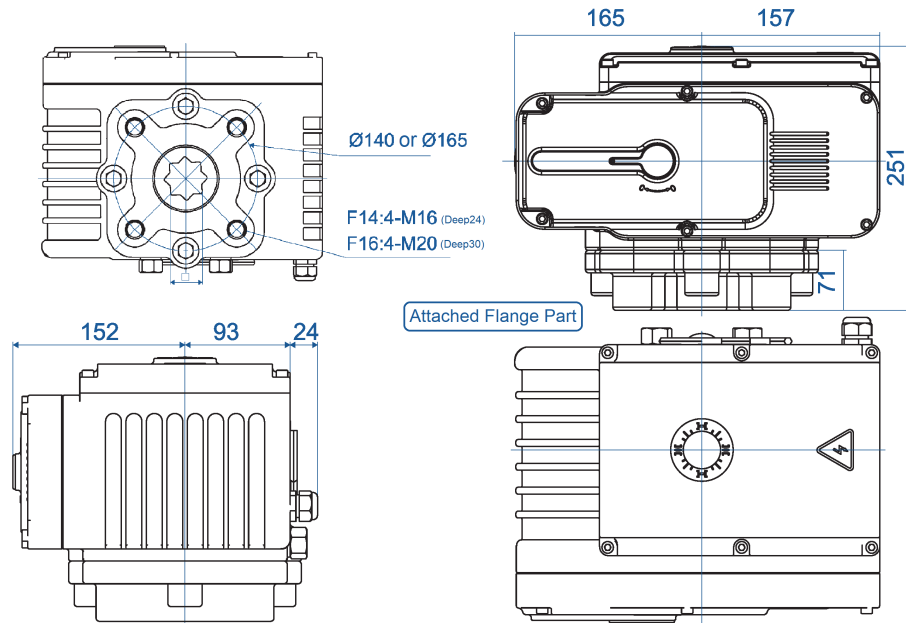


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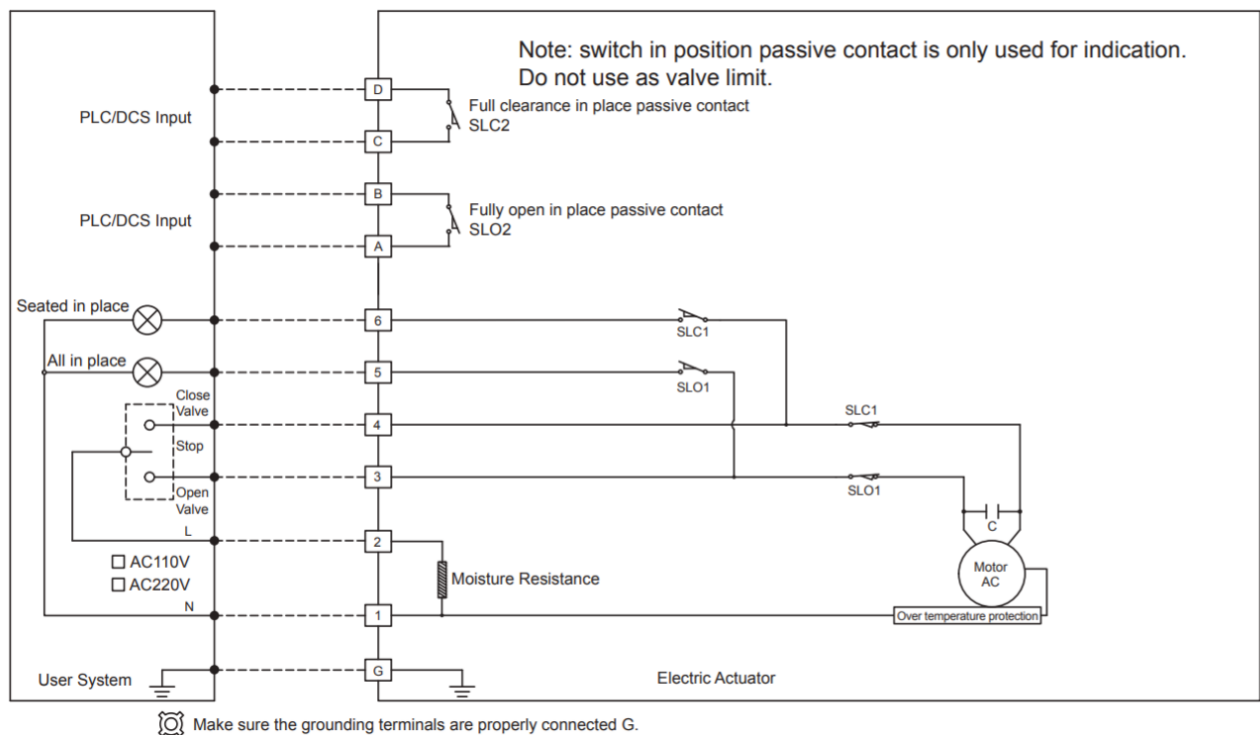
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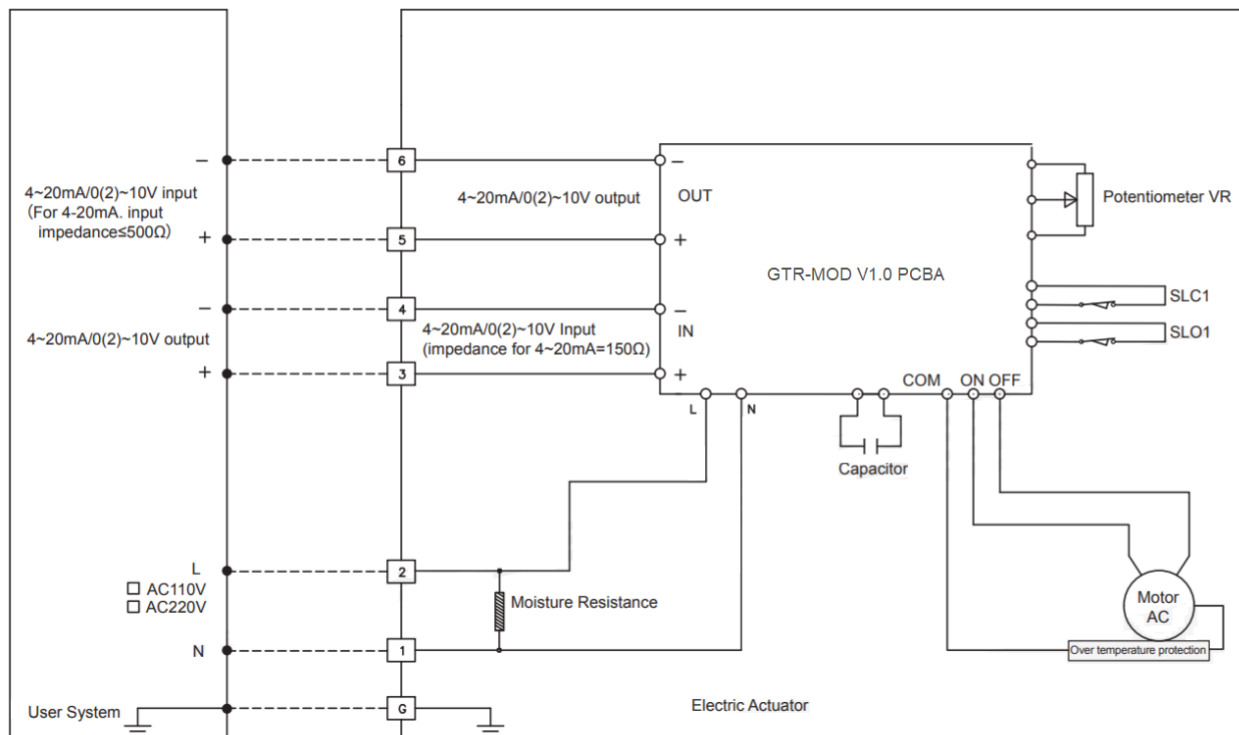
GT/GTR-250

■ Wiring

● GT On/Off type wiring diagram



- GTR Modulating type wiring diagram



OMEAX GT& GTR Electric Actuator

- * Optimize the internal structure to benefit the reliability and service life of the actuator;
- * Shorten the opening and closing time, improve the control performance of the system;
- * Reduce input power, improve output efficiency, reduce energy consumption, energy saving and environmental protection;
- * Special manual spanner fixed on the actuator cover, not easy to lose, easy to open and close the valve in emergency;
- * More cost-effective.



(OMS-V2111)



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