



**ACTUADOR ELÉCTRICO
ON-OFF 220VAC
MODELO QT**



● QT COMPACT

With a compact construction, light weight, QT compact version designed for small torque part-turn valves. Built-In thermal protector to protect the motor from over heating. Manually adjust the position by wrench. Option for Local control unit and 4-20mA signal modulating control.

MODEL	Output Torque	Operating Time (90°)	Motor Power (W)		Rated Current(A)		Weight (kg)
	Nm	Sec	240V 1Ph	24VDC	240V 1Ph	24VDC	
QT003	30	10	6W	--	0.25A	--	2.1
QT005	50	30	10W	10W	0.30A	2A	3.5
QT008	80	30	15W	15W	0.35A	2A	3.5

● STANDARD TECHNICAL SPECIFICATION

Enclosure	Aluminium alloy, Weather proof IP67
Power Supply	110/220/240VAC 1Ph 50/60Hz ±10%, 380/415/440Vac 3Ph 50/60Hz ±10%,24VDC
Motor	Squirrel cage induction motor
Duty Cycle	S2 (15 to 30 min) ON/OFF, S4(300 to 1200 starts/hr)
Limit Switch	1×SPDT (250V AC,10A) for each Open/Close
Auxiliary Limit Switch	1xSPDT(250V AC, 10A)for each Open/Close
Torque Angle	0° -90° ±10° (Option di0° - 270°)
Position Indicator	Continuous mechanical Position indicator
Manual Override	By Wrench
Self-locking	Self-locking by worm and worm gear
Space Heater	5W (110/220VAC) for Anti-Condensation
Cable Entry	2xM18
Ambient Temperature	-20°C --+70°C
Lubrication Type	EP type grease
Ambient Humidity	Max 90% R. H
Anti-vibration	XYZ10g, 0. 2-34Hz,30 minutes
External Coating	Dry Powder, Epoxy polyester. Anti-corrosion



With Wrench (Standard)

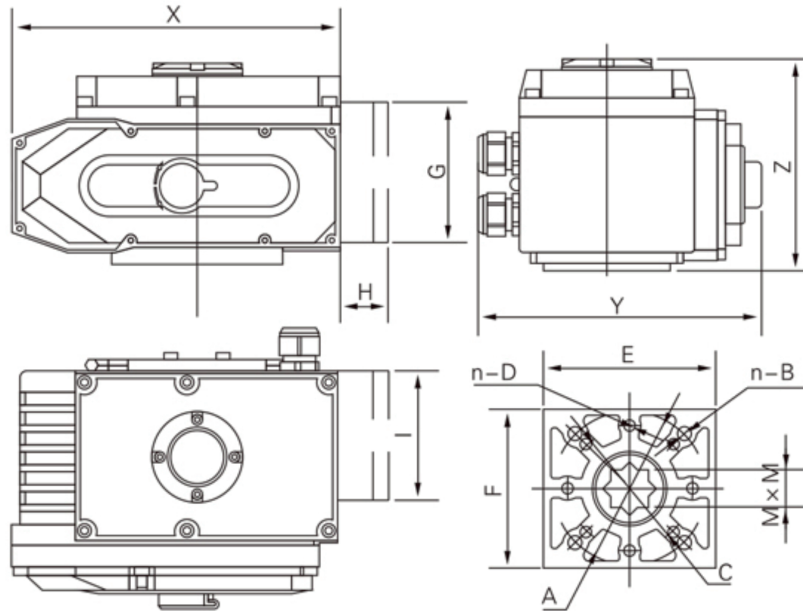


Handwheel (Option)



Local Control Unit (Option)

● GENERAL DRAWING



MODEL	X	Y	Z	A	N-B	C	N-D	E	F	G	H	I	MXM
QT003	123	100	115	Φ50	4-M8	Φ36	4-M6	50	50	114	40	150	9X9
QT005	161	121	125	Φ70	4-M8	Φ50	4-M6	66	66	114	40	150	11X11 11X11
QT008	161	121	125	Φ70	4-M8	Φ50	4-M6	66	66	114	40	150	11X11 14X14

● OPTIONAL SPECIFICATIONS

Nº	Optional Configuration	Remarks
1	Explosion- proof actuator(Ex I BT4)	QT Series
2	Waterproof actuator(IP68, 7M. 72HR)	QT Series
3	Potentiometer(1K-10K)	QT Series
4	Proportional control unit (Input, output, signal) 4-20mA DC/1-5V/1/10V)	QT Series
5	Field control unit (for a control open stop/closeswitch.ocal/remote control switch)	QT Series
6	Stroke 120°, 180° 270°	QT Series
7	DC motor (24V DC)	QT Series
8	Additional torque switch(SPDT X2 250V AC 10A)	Except QT003/005/008/010
9	Current position sensor Output 4- 20mA DC I	QT Series
10	After cutting power, the electric valve automatically open or close the control cabinet	QT Series
11	High temperature resistant actuator(-10°~ +100°C)	QT Series
12	Low temperature resistant actuator(-40°C~+70°C)	QT Series
13	Low speed actuator	QT Series

● QT STANDARD

- Hard-Anodized Al-Alloy and external coating of epoxy powder is suitable for severe condition against the corrosion. Housing and Sealing are design to the Explosion-proof (Exd I BT4\and enclosure(IP67).
- Specially Designed with squirrel-cage induction motor to generate high starting torque and high efficiency equipped with thermal protector to prevent damage from over-heating.
- Mounting base according to ISO9211 standard.
- Auto-declutching manual override handwheel with padlockable auto/manual switchable lever.
- Local Control Unit Option (LCD display Valve information.OPEN/CLOSE LOCAL/REMOTE/STOP switch knob).

● STANDARD TECHNICAL SPECIFICATION

MODEL	Output Torque	90° Operating Time 60/50 Hz	Bore Size	F-Class motor	Rated Current (A) 60/50 Hz				Handwheel Rotation	Weight
					Single-Phase		Three-Phase			
	Nm	Sec	mm	W	110V	240V	380V	415V	N	Kg
QT-010	100	18/22	Φ20	25	1.10/0.95	0.55/0.38	0.3/0.21	N/A	9	12
QT-020	200	20/24	Φ22	40	1.67/1.67	0.89/0.5	0.31/0.25	0.30/0.31	11	16.8
QT-030	300	26/31	Φ35	60	1.85/1.86	0.92/0.92	0.35/0.35	0.34/0.34	13.5	21
QT-050	500	25/29	Φ35	120	3.60/3.62	1.55/0.98	0.59/0.52	0.58/0.58	13.5	21
QT-080	800	31/37	Φ45	120	4.10/4.10	2.15/2.20	0.85/0.85	0.79/0.79	16.5	29
QT-080	800	31/37	Φ45	120	4.10/4.10	2.15/2.20	0.85/0.85	0.79/0.79	16.5	29
QT-100	1000	33/36	Φ45	200	4.20/4.10	2.35/1.74	0.87/0.76	0.81/0.81	16.5	30
QT-160	1600	93/112	Φ60	180	4.10/4.10	2.15/2.20	0.85/0.85	0.79/0.79	49.5	75
QT-200	2000	85/104	Φ65	180	4.10/4.10	2.15/1.74	0.85/0.76	0.79/0.79	49.5	60

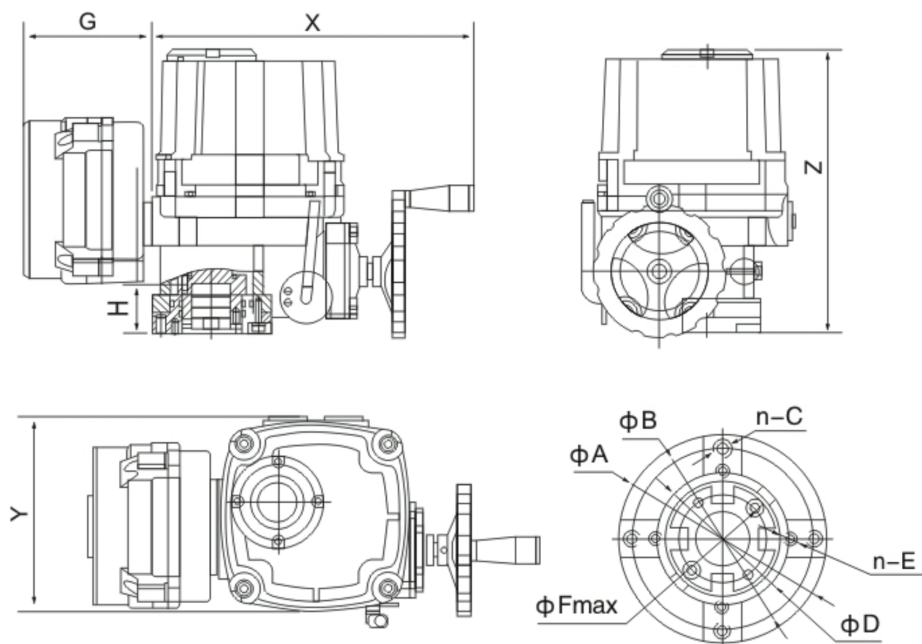


• STANDARD TECHNICAL SPECIFICATION

Enclosure	Aluminium alloy, Weather proof IP67, NEMA4 (Optional Exproof Eexd IIC T5/IP68
Power Supply	110/220/240VAC 1Ph 50/60Hz 10%.380/415/440VAC 3Ph 50/60Hz+ 10%
ControlSupply (for 3ph Actuators Only)	24V AC/DC or 1Ph 110/220V AC 50/60Hz
Motor	Squirrel cage induction motor
Duty Cycle	ON-OFF Duty: S2 30Min. Modulating: S4 Max 1200start/hour
Limit Switch	1xSPDT(220V AC 10A) for each Open/Close
Auxiliary Limit switch	1xSPDT(220V AC 10A) for each Open/Close
TorqueSwitch	1xSPDT(220V AC 10A) for each Open/Close
Travel	90° ± 10° (Optional 0° -270°)
Position Indicator	Continuous position indicator
Manual override	Auto Declutching
Self - Locking	Self-locking by worm and worm gear
Mechanical Stopper	2X external adjustable stopper
Space Heater	5W (110/220V) for Anti - Condensation
Cable Entry	2xPF 3/4"
Ambient Temperature	-20°C - +70°C
Lubrication Type	Ep type grease
Ambient Humidity	Max. 90% R.H
Anti - Vibration	XYZ 10g. 0.2 - 34Hz 30 minutes
External Coating	Dry Powder, Epoxy polyester



● GENERAL DRAWING



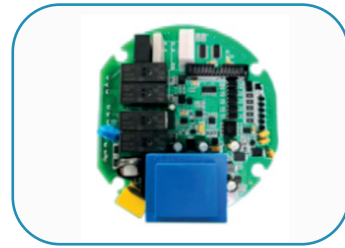
MODEL	X	Y	Z	A	B	N-C	D	N-E	F	G	H
QT-010	270	161	234	Φ90	Φ70	4-M8	Φ50	4-M6	Φ20	137	35
QT-020	346	240	270	Φ120	Φ102	4-M10	Φ70	4-M8	Φ22	137	40
QT-030	358	240	290	Φ150	Φ125	4-M12	Φ102	4-M10	Φ35	137	45
QT-050	358	240	290	Φ150	Φ150	4-M12	Φ102	4-M10	Φ35	137	45
QT-080	390	260	322	Φ180	Φ140	4-M16	Φ125	4-M12	Φ45	137	55
QT-100	390	260	322	Φ180	Φ140	4-M16	Φ125	4-M12	Φ45	137	55
QT-160	390	260	491	Φ210	Φ165	4-M20	Φ140	4-M16	Φ55	137	65
QT-200	390	260	491	Φ210	Φ165	4-M20	Φ140	4-M16	Φ55	137	65



Modulating Type



On - Off Type



Control Board



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