

Quarter Turn Electric Actuator

Fig. EQD**

Aluminum Alloy Housing • ISO 5211 Actuation Mounting

Output Torque: 35 N·m ~ 8000 N·m

SPECIFICATION

Design in accordance with EN60730-1:2000, EN60730-2-14:1997

EN61000-6-2:2005, EN61000-6-3:2007

Flanges comply with ISO5211

TECHNICAL DATA

Power Supply : AC 220V / AC 380V / AC 24V

Control Signal: 0(2)~10V / 4~20mA

Output Torque: 35 N·m ~ 8000 N·m

Protection Level: IP67 / IP68

Environmental Temperature: -30°C ~ 70°C

Altitude: not exceeding 1000m.

Environmental humidity: Relative humidity not exceeding 90% (at 25°C)

Working environment: The environment does not contain highly corrosive media and must not be in the presence of Used in environments with explosive gas mixtures.

Work schedule: The product is a short-term work schedule with a rated time of 10 minutes.

PRODUCT FEATURES

- Manual/electric automatic switching function, without clutch design;
- Lightweight and compact mechanism;
- Precise stroke positioning;
- Motor overheating protection function;
- Precise sealing structure, good waterproof performance;
- Independent junction box can be set;
- High-performance specialized valve motor;
- Multiple control modes;
- High protection level and explosion-proof level;
- Motor protection class meets F class insulation, H class optional.

OPTIONAL

1. Optional integrated control with local/remote control switching function, and with local control on/off/stop function.
2. Optional infrared control module.
3. Optional M-Bus and other communication interfaces.
4. Failure protection function.
5. Other special function requirements.

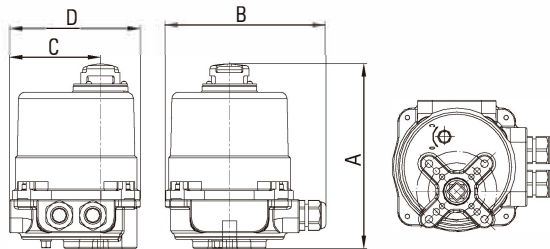


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Quarter Turn Electric Actuator (continued)

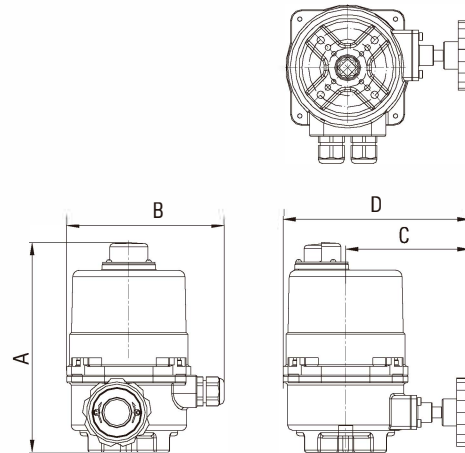
Fig. EQD**

DIMENSIONS

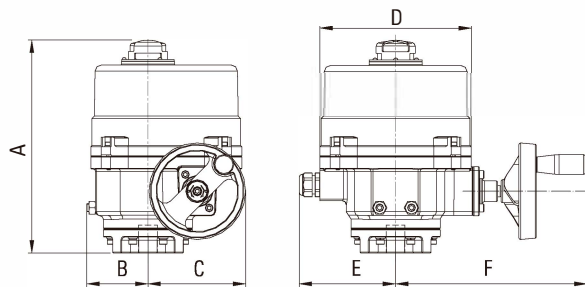


EQD01S/01SA

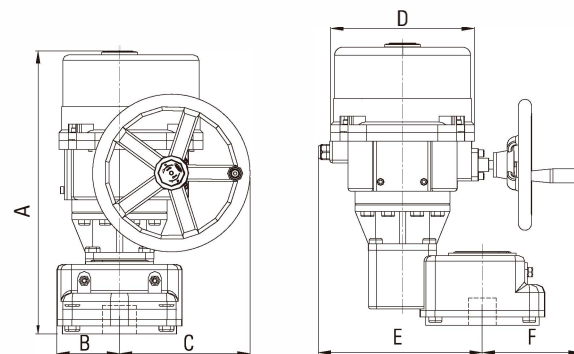
Model	EQD01S/01SA	EQD01/ 01A / 01B
A	165	192/212
B	150	150
C	82	135
D	118	170
E	---	---
F	---	---
H	---	20



EQD01/01A/01B



EQD02 ~ EQD09



EQD10 ~ EQD12

Model	EQD02 / 03 / 03A	EQD04 / 05 / 06 / 07 / 07A	EQD08 / 09	EQD10 / 11	EQD12
A	268	327	380	532	545
B	77	103	127	118	160
C	123	187	242	242	242
D	216	266	293	293	293
E	121	150	161	308	343
F	240	297	333	186	160
H	35	55	65	85	130

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Quarter Turn Electric Actuator (continued)

Fig. EQD**

TECHNICAL SPECIFICATIONS TABLE

Model	Max. Output Torque (Nm) AC220V/AC380V Single-phase/Three-phase	Motor Power (W)	Current (A) AC220V / AC380V	Operating Time (S)	Connection Flange ISO5211	Max. Shaft Size (mm)	Weights Kg
EQD01	35 / -	10	0.21 / -	11	F03 / F05 / F07	□11-14, Ø≤14	3
EQD01A	50 / -	10	0.21 / -	15	F03 / F05 / F07	□11-14, Ø≤14	3
EQD01B	80 / -	10	0.21 / -	22	F03 / F05 / F07	□11-14, Ø≤14	3.6
EQD02	100	40	0.42 / 0.32	19	F05 / F07 / F10	□11-17, Ø≤24	11
EQD03	200	40	0.42 / 0.32	39	F05 / F07 / F10	□11-17, Ø≤24	11
EQD03A	300	40	0.46 / 0.35	39	F05 / F07 / F10	□11-17, Ø≤24	11
EQD04	400	90	0.9 / 0.62	29	F10 / F12 / F14	□17-27, Ø≤38	22
EQD05	600	90	0.9 / 0.62	39	F10 / F12 / F14	□17-27, Ø≤38	22
EQD06	800	90	0.9 / 0.62	47	F10 / F12 / F14	□17-27, Ø≤38	22
EQD07	1000	120	1.1 / 0.8	47	F10 / F12 / F14	□17-27, Ø≤38	22
EQD07A	1300	120	1.3 / 0.92	47	F10 / F12 / F14	□17-27, Ø≤38	22
EQD08	1700	90	2.2 / 1.1	64	F10 / F12 / F14	□17-27, Ø≤38	29
EQD09	2300	200	2.2 / 1.1	38	F12 / F14 / F16	□27-36, Ø≤50	36
EQD10	3500	200	2.2 / 1.1	76	F14 / F16	□36-46, Ø≤65	76
EQD11	5000	200	2.2 / 1.1	105	F14 / F16	□36-46, Ø≤65	76
EQD12	8000	200	2.2 / 1.1	143	F14 / F16	□46-55, Ø≤75	107

ADAPTED VALVES (REFERENCE ONLY)

Model	EQD01	EQD01A	EQD01B	EQD02	EQD03	EQD03A	EQD04	EQD05
PN16 / ΔP10		2~5"			6 ~ 8"		10~12"	
Model	EQD06	EQD07	EQD07A	EQD08	EQD09	EQD10	EQD11	EQD12
PN16 / ΔP10	14"	16"		18 ~ 20"		24"		

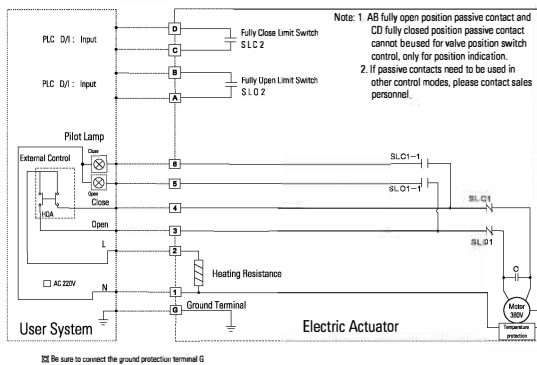
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Quarter Turn Electric Actuator (continued)

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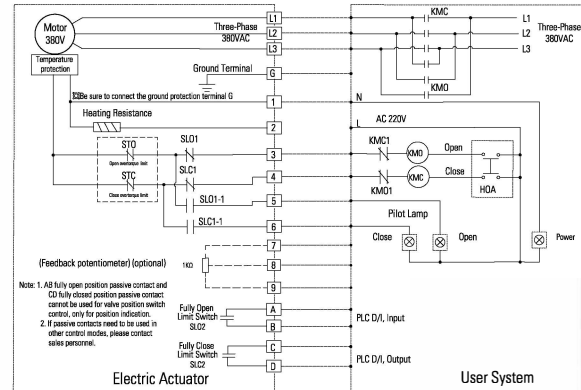
WIRING DIAGRAM

AC 220V On/Off Type Wiring Diagram



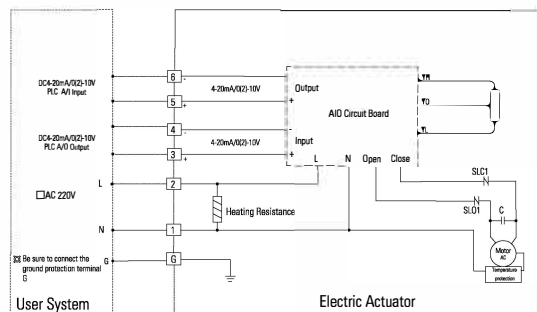
On/Off Type AC220V

AC380V Standard On/Off Type Wiring diagram



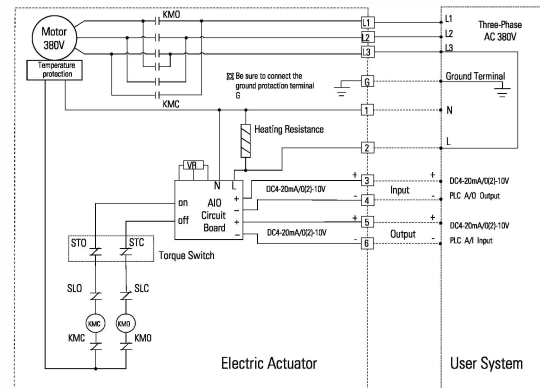
On/Off Type AC380V

AC 220V Modulating type Wiring diagram



Modulating Type AC220V

Three-Phase AC 380V Modulating type Wiring diagram



Modulating Type AC380V

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