



EOM SeriesQuarter-turn Electric Actuator







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FLOWINN (SHANGHAI)INDUSTRIAL CO.LTD

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Company Profile

Continents global sales

20%+

Annual buniness growth

70+

Product patents

500+

Customers served

150,000+

Reserve capacity

Founded in 2007, FLOWINN is a high-tech enterprise focusing on the R&D, manufacturing, sales and service of electric actuators. With its subsidiary of FLOWINN FLOW Controls, FLOWINN Technology and FLOWINN (Taiwan) Electronics, providing our customers with a one stop solution to intelligent industrial networking for valve actuations.

With our own professional research and development team, we are specialized in the development for electric actuator products and have acquired for up to 100 patent and product certificates. Our business network spreads throughout the world and maintaining strategic collaboration with many of the world's Top 500 enterprises.

We always adhere to the philosophy of "Serving customers, Respect for employees, and be on site", to provide the best valve control solutions for our users.

Product Classification

The EOM series quarter turn electric actuator is an electric device that controls the 0-90 degree switch of valves. It is mainly used for automatic control operations of valves such as ball valves, plug valves, butterfly valves, and louver valves.

The EOM series quarter turn electric actuators are mainly divided into two major series: the conventional series and the explosion-proof series. The direct output torque range is 10-20000N. m. According to different functional configurations, it can be divided into basic type, overall type, integrated type, and intelligent type. Users can choose different models and configurations based on on-site engineering conditions and valve torque requirements.

The FLOWINN quarter turn series electric actuators have the characteristics of safety, stability, and reliability, which can meet different applications in different fields. Customized services can meet various needs of users.













Product Classification

Product Classification

Conventional electric actuators >>>













Basic (B)/Overall (M)



Basic (B)/Overall (M)



Basic (B)/Overall (M)



Overall type (M)



Overall type (M)



■■■ Explosion proof electric actuator



Product Feature

01 Professional gear mechanism design

- Manual/electric automatic switching function, without clutch design.
- · Planetary gear technology
- The unique planetary solar wheel technology has obtained a national patent.

02 | Environmental safety design

• The product is equipped with DC motors and drive technology, It can receive the power supply of solar thermal wind power generation equipment.

14 Flexible Replace accessories

- · Interchangeable spline sleeve
- Interchangeability of connecting flanges
- It can be combined with sprockets for more convenient manual operation of high-altitude valves

05 Visual design

 Adopting high-strength, sun resistant, and RoHS compliant Plastic 3D window allows for comprehensive and multi perspective observation of travel changes.

$oldsymbol{03}$ Non invasive Handling

- The magnetic switch design without a through shaft is controlled by acting on the internal Hall switch design of the actuator.
- The intelligent electric actuator is equipped with a newly designed UI operation interface.
- The intelligent electric actuator can be equipped with portable infrared remote control and intrinsically safe explosion-proof remote control.

Function Introduction

Torque protection

The over torque protection function will automatically trip when the valve is stuck, preventing further damage to the valve and actuator.

Run Diagnostics

The intelligent actuator is equipped with multiple sensing devices, which can real-time reflect the control signals, fault alarms, operating parameters, status indicators and other states received by the actuator. Multiple diagnostic functions can locate the location of faults and provide powerful directions for troubleshooting for users.

Password protection

The intelligent actuator has password protection function, which can authorize operators to avoid actuator failures caused by misoperation.

Operational safety

F-class insulated motor, with a temperature control switch installed on the motor winding to sense the temperature of the motor, providing over temperature protection and ensuring the safe operation of the motor. (Optional with H-class)

Moisture-proof heater

A heater is installed inside the actuator to remove internal condensation from electrical components.

Phase sequence control

The phase sequence detection and correction function does not consider the phase sequence when connecting to the power supply, which avoids the damage caused by incorrect phase sequence and missing phase actuators and the driven devices.

Functional Configuration

		Basic type (B)	Integral type (M)	integration (Y)	Intelligent (1)
a a ratual to ma	On/off type	*	*	*	*
control type	Modulating type	_	*	*	*
	Indicator needle indication	*	*	_	_
status	3D opening indication	*	*	*	*
indicator	On/Off/Remote Control/Fault Signal Indicator Light	_	_	*	*
ii idiodioi	On/off power indicator light	_	_	*	✓
	LCD digital display opening percentage	_	_	_	*
	On site control (near/far control knob)	_	_	*	*
human	Non invasive on-site control: open/close valve/stop knob close control/remote control/disable knob	_	_	_	4
interaction	Intrusive on-site control	_	_	*	_
	Moisture-proof heater	*	4	*	*
	Overtorque protection	≠	*	*	*
	Motor overheat protection	*	*	*	*
Protection	Automatic correction of phase sequence (three-phase only)	_	*	*	*
function	Alarm signals (including local and remote)	_	_	_	*
	Non intrusive protection	_	_	_	✓
	data record	_	_	_	*
	Password protection	_	_	_	*
	On/Off Travel Limit	4	*	*	*
	Over torque in the on/off direction	*	*	*	*
	Semi adjustable one position feedback Potentiometer	4	_	_	
	4-20mA transmission	4	*	*	*
Feedback	On/Off Valve Contact (Contact Capacity: 5A@250VAC)	*	*	*	
signal	On/Off Valve Contact (Contact Capacity: 3A@250VAC)	_	_	_	*
	Comprehensive fault contact	_	*	*	*
	On site/remote contacts	_	_	*	*
	On/Off in place signal	*	*	*	*
hue free c	Modbus	_	_	_	*
bus type	HART	_	_	_	*

06

Product Specification

		Basic type	In	tegral type	Integration	Intelligent			
Torque range		35-20000N.m		10-20000N.m	35-20000N.m	35-20000N.m			
ambient tempe	erature	-25 °C~70 °C (optional -40 °C~60 °C)			-25°C~70°C				
Noise level		'		Less than 75 decib	els within 1 meter				
Inlet size		2	2 PG13.5' (<	<100N.m) 2 PG16(>100N.M)	2PG16			
Switching time	;	1	11-155s			19-155s			
Protection leve	el	IP67 can be optionally equipped with IP6 no leakage within 72 hours)	8 (defined a	s 7 meters underwater,	IP65, optional IP67	IP67			
Connection size	ze			Compliant with	n ISO5211				
Motor specific	ations	Si	tandard F-cl	lass motor with thermal prot	ector 135 °C (optional H-class motor)				
Vibration resis	tance level		JB/T8219						
Working	On/off type								
system	Modulating type	_	nore than 600 triggers per hour (optiona	l with 1200 triggers per hour)					
Applicable vol	tage	Single phase: power supply (± 10%); 50Hz (24220230240V) 60Hz (2411012022023020240V) Three phase: power supply (± 10%); 50Hz (220240V) 60Hz (460480V) DC: 24V (± 10%) If there are other voltage requirement Can be customized by contacting the manufacturer) EFM series is only applicable to single-	Hz (± 5%)	Single phase: power supply (± 10%); Hz (± 5%) 50Hz (24220230240V) 60Hz (2411012022023020240V) Three phase: power supply (± 10%); Hz (± 5%) 50Hz (220240V, 380400460V) 60Hz (208220230240380440460480V) DC: 24V (± 10%) (If there are other voltage requirements, please contact the manufacturer for customization) EFM series is only applicable to single-phase					
Input signal	On/off Type	Built in contacts, can support 5A@250V/ (Specific to be determined by the control		AC/DC24 input cor	ntrol or AC110/220V input control	AC/DC24 auxiliary power input Control - Optoelectronic Isolation			
input signal	Modulating type	_			l: 4-20mA; 0-10V; 2-10V dance: 250 Ω (4-20mA)	Input signal: 4-20mA; 0-10V; 2-10V Input impedance: 150 Ω (4-20mA)			
	output	_			Output signal: 4-20mA; 0-10V; 2- Output impedance: 750 Ω (4-20n				
Regulatory	Signal reverse	_			support				
signal	Dishonest mode	_	support						
	dead zone	_	≤2.5% A						
breakdown signal	On/off type	Comprehensive fault alarm: motor overheating Overtwist and other contact	arm: power outage, motor overheating, a, and signal interruption ue option, and phase sequence alarm se-phase	Comprehensive fault alarm: power outage, motor overheating Phase loss, over torque, signal interruption, ESD override protection, Terminal output					

Product Specification

		Maximum outp	out torque (N.m)	Maximum outpo	ut torque (lbf. in)	S	Switching time (Se	c)		
Model	Power	AC 110V	AC 220V	AC 110V	AC 220V	50)Hz		ISO 5211	Notes
	(W)	AC220V	AC380V three-phase	AC220V	AC380V three-phase	AC 110V AC 220V	AC380V three-phase	AC/DC24V		110.00
EFMB-1	5	10	_	89	_	13	_	13		Manual
EFMB-2	8	20	_	177	_	12	_	12	F03/F04/ F05	wrench operation
EFMB-3	10	30	_	266	_	11	_	11	F05	
EFM1-(H)	10	35	_	310	_	11	_	8		Manual wrench/
EFMA-(H)	10	50	_	443	_	15	_	10	F03/F05/ F07	Handwheel operation
EFMB-(H)	10	80	_	708	_	22	_	15	FU/	Handwheel operation
EOM2	40	10	00	88	35	1	9	14		
EOM3	40	20	00	17	70	3	9	28	F05/F07/ F10/F12	
EOM3A	60	30	00	26	55	3	9	28	1 10/1 12	
EOM4	90	40	00	3540		29		21		
EOM5	90	60	00	53	10	3	9	28		
EOM6	90	80	00	70	080	4	7	34	F10/F12/ F14	
EOM7	120	10	00	88	50	4	7	34		Handwheel
EOM7A	120	13	00	10	505	47		34		operation planetary
EOM8	200	17	00	150	045	34		25		gear mechanism
EOM8A	200	20	00	177	700	3	4	_	F12/ F14/ F16	
EOM9	200	23	00	203	335	4	7	-		
EOM10	200	35	00	309	975	7	6	_	F14/F16	
EOM11	200	50	00	44250		10)5	_	F14/F10	
EOM12	200	80	00	70800		143		_	F25	
EOM13	400	_	13000	_	115050	-	109	_		
EOM14	400	_	16000	_	141600	_	129	_	F25/F30	
EOM15	400	_	20000	_	177000	_	155	-		

Remarks

- 1. Factory standard configuration of the product. The above markings "-" do not include this product model.
- 2. The rated torque is 0.75 times the maximum torque.
- 3. The standard factory protection level of the machine is F level insulation, and H level can be selected.

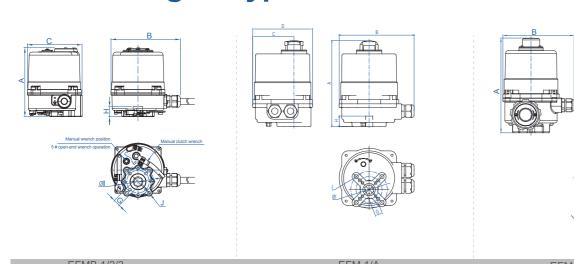
The switching time of 4.60Hz is 5/6 times that of 50Hz, and the maximum output torque is the same as above.

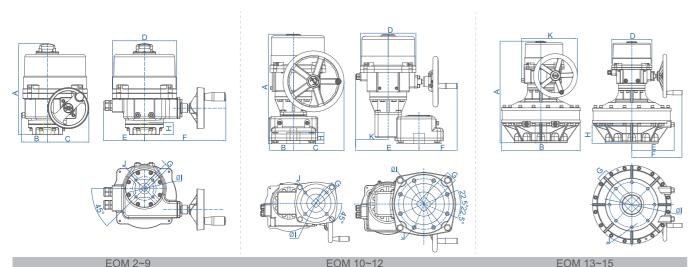
5. For the 3A, 7A, and 8A products mentioned above, the switch type is S2-8min, and the adjustment type is S4-15%.

Within 6.10S, only switch type, no overtwist, and no adjustment type are used.

If you have special needs, you can consult our business personnel.

Product Dimesion Basic / Integral Type



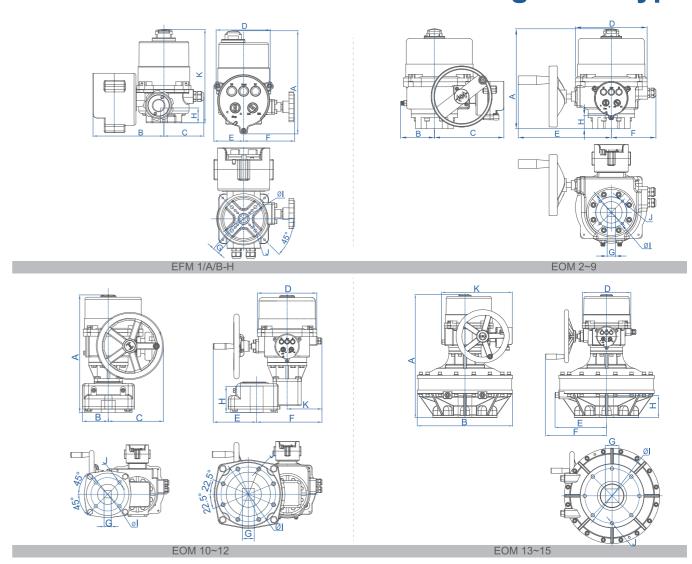


			LOW 10	12		LOW 10 10					
											Unit: mm
model	Α	В	С	D	Е	F	G	Н	ΦΙ	J	Weight (kg)
EFMB-1									36	4-M5	
EFMB-2	110	111	87.5	_	_	_	11x11	16	42	4-M5	1
EFMB-3									50	4-M5	
EFM1 On/off type	165	145±2	79	115		_	11x11	20	36 50 70	4-M5 4-M6 4-M8	3
EFMA Modulating type	185	14012	7.5	110			14x14	20	70	4-M8	3.2
EFM1-H On/off type	192	145±2	113.5	172			11x11	20	36 50 70	4-M5 4-M6 4-M8	3.6
EFMA-H EFMB-H Modulating type	212	14012	113.3	172		_	14x14 17x17	20	70	4-M8	3.8
EOM2	268	79±2	123	190	123±2	243±2	14x14	35	70	4-M8	11
EOM3	200	1912	123	190	IZJIZ	24312	17x17	00			
EOM4							22x22		102	4-M10	
EOM5	327	109±2	187	232	146±2	280±2	22x22 27x27	55	102 125	4-M10 4-M12	22
EOM6							27x27		125	4-M12	
EOM7											
EOM8	378	128	242	267	162.5	333	27x27	65	125	4-M12	36
EOM9		0			.02.0		36x36		140	4-M16	
EOM10	532	118	242	267	308	186	40x40	85	140 165	4-M16 4-M20	76
EOM11	5.40	400					46x46		165	4-M20	40=
EOM12	549	160	242	267	343	160	55x55	130	254	8-M16	107
EOM13	070						55x55	400	254	8-M16	040
EOM14	672	520	_	267	281	331	75x75	120	298	8-M20	218
EOM15											

Note: 1. The above "G" size is recommended, and our company can still make corresponding matching sizes according to customer requirements.

2. The dimensions of "I" and "J" mentioned above are determined according to the ISO 5211 flange specifications, that is, there is only one specification available for selection. Please indicate it when ordering.

Product Dimesion Integration Type

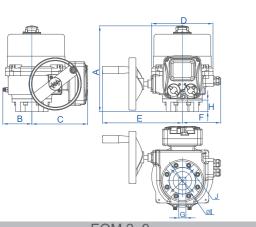


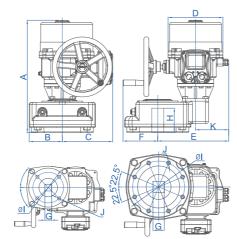
												Unit: mm
model	Α	В	С	D	E	F	G	Н	ΦΙ	J	K	Weight (kg)
EFM1-H On/off type EFMA-H Modulating	217	149	114	114	63	108	11x11 14x14	20	36 50 70	4-M5 4-M6	197	4.7
EFMB-H type	237	143	114	114		100	17x17	20	70	4-M6 4-M8	137	4.9
EOM2 EOM3	268	77	208	190	240	121	14x14 17x17	35	70	4-M8	_	12.2
EOM4							22x22		102	4-M10		
EOM5	327	110	225	266	301	145	22×22 27×27	55	102 125	4-M10 4-M12	_	23.2
EOM6 EOM7	027	110	220	200	301	143	27x27		125	4-M12		
EOM8	380	127	040	005	222	404	27x27	0.5	125	4-M12		37.2
EOM9	380	127	248	265	333	161	36x36	65	140	4-M16		37.2
EOM10	532	118	242	265	194	200	40x40	85	140 165	4-M18		77.2
EOM11	332	110	272	203	194	292	46x46	00	165	4-M20	156	11.2
EOM12	545	160	242	265	168	343	55x55	130	254	8-M16	156	108.2
EOM13							55x55		254	8-M16		
EOM14	672	520	_	265	281	331	75x75	120	298	8-M20	385	219.2
EOM15							70070		250	0-10120	000	

Note: 1. The above "G" size is recommended, and our company can still make corresponding matching sizes according to customer requirements.

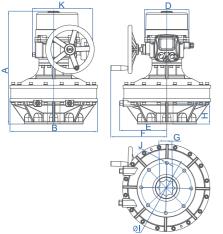
2. The above" Φ The dimensions of I "and" J "are determined according to ISO 5211 flange specifications, that is, there is only one specificatio available for selection. Please specify it when ordering.

Product Dimesion Intelligent Type





EOM 10~12 EOM 2~9

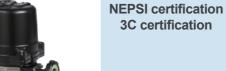


EOM 13~15

model	Α	В	С	D	E	F	G	Н	ΦΙ	J	K	Weight (kg)
EOM2	268	77	198	190	240	121	14x14	35	70	4-M8		13
EOM3	200	''	190	190	240	121	17x17	33	10	4-1010	_	13
EOM4							22x22		102	4-M10		
EOM5	327	110	210	232	301	145	22x22 27x27	55	102 125	4-M10 4-M12	_	24
EOM6	021	110	210	202	301	143	27x27		125	4-M12	_	
EOM7							21,721		125	4-10112		
EOM8	200	107	224	265	222	161	27x27	6F	125	4-M12	_	38
EOM9	380	127	234	265	333	161	36x36	65	140	4-M16		30
EOM10	532	118	227	265	400	000	40x40	85	140 165	4-M16 4-M20		78
EOM11	552	110	221	205	180	300	46x46	00	165	4-M20	156	70
EOM12	545	160	244	265	168	343	55x55	130	254	8-M16	156	109
EOM13							55x55		254	8-M16		
EOM14	672	520	_	265	281	331	75x75	120	298	8-M20	385	220
EOM15							10010		200	0-10120	000	

Note: 1. The above "G" size is recommended, and our company can still make corresponding matching sizes according to customer requirements.

Explosion-proof Product



3C certification

- NEPSI explosion-proof:GB/T 3836.1; GB/T 3836.2; GB/T 3836.31; GB/T 3836.35
- Ex db IIB/ IIC T4~T6 Gb
- Ex tb IIIC T80°C / T100°C / T135° Db
- Temperature range: -20°C ~+65°C; Optional: -40°C~+65°C
- Protection level: IP67; Optional: IP68 (according to IEC60529) IP66 (EXCJ series)



EXC(G)1/A/B series

EXB(C)2-9 series

ATEX certification

- NEPSI explosion-proof:GB/T 3836.1; GB/T 3836.2; GB/T 3836.31; GB/T 3836.35
- Ex II 2 G Ex db IIB/IIC T4~T6 Gb
- (Ex) II 2 D Ex tb IIIC T85°C/T100°C/T135°C Db
- Temperature range: -20°C ~+65°C; Optional: -40°C~+65°C
- Protection level: IP67; Optional: IP68 (according to IEC60529) IP66 (EXCJ)



EXCJ2-12 series

IECEx certification

CSA certification

- IECEx. IEC 60079-0:2017; IEC600679-1:2014-06; IEC60079-31:2013
- EXB seres: Ex db IIB T4~T6 Gb; Ex tb IIIC T85°C/T100°C/T 135°C Db EXC and EXCG series :Ex db IIC T4~T6 Gb; Ex tb IIIC T85°C/T100°C/T 135°C Db EXCJ series: Ex db IIC T4~T6 Gb; Ex tb IIIC T85°C/T100°C/T 135°C Db
- Temperature range: -20°C ~+65°C; Optional: -40°C~+65°C
- Protection level: IP67; Optional: IP68 (according to IEC60529) IP66 (EXCJ)

• CSA Explosionproof to CSA 60079-0-11; CSA 60079-1-11; CSA 60079-31-12; • UL 60079-0-11; UL 600679-1-11; IAS 60079-31-13

- Ex d IIB / IIC T4-T6 Db.
- Ex tb IIIC T135 ℃-T85 ℃ Db,
- Class I, Zone 1, AExd IIB T6 Gb
- Zone 21, ATEX to IIIC T135 Db
- Temperature range: -25°C ~+65°C
- Protection level: IP66

11

Unit: mm

^{2.} The above " Φ The dimensions of I "and" J "are determined according to ISO 5211 flange specifications, that is, there is only one specification available for selection. Please specify it when ordering.

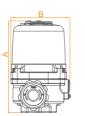
Explosion-proof Product

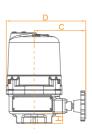
		Maximum out	put torque (N.m)	Maximum outp	ut torque (lbf. in)	S	witching time (Sec	c)														
Model	Power (W)	AC 110V	AC 220V	AC 110V	AC 220V	50	Hz		ISO 5211	Notes												
	()	AC220V AC/DC24V	AC380V three-phase	AC220V AC/DC24V	AC380V three-phase	AC 110V AC 220V	AC380V three-phase	AC/DC24V														
EXC(CG)1*	10	35	_	310	_	11	_	8		Manual												
EXC(CG)A*	10	50	_	443	_	15	_	10	F03/F05/	wrench operation												
EXC(CG)B*	10	80	_	708	_	22	_	15	F07	Handwheel operation												
EXB(C)2	40	1	100		85	19		14														
EXB(C)3	40	2	00	17	770	39	9	28	F05/F07/ F10/F12													
EXB(C)3A	60	_	300	_	2655	_	39	_	F10/F12													
EXB(C)4	90	40	00	35	3540 29 21		29 2															
EXB(C)5	90	60	00	53	310	39	9	28	F010/ F12/F14													
EXB(C)6	90	80	00	70	080	47	7	34	1 12/1 14													
EXB(C)7	120	10	00	88	350	47		34		Handwheel operation												
EXB(C)7A	120	_	1300	_	10505	_	47	_		planetary gear												
EXB(C)8	200	17	00	15	045	34	4	25		mechanism												
EXB(C)8A	200	_	2000	_	17700	_	34	_	F012/ F14/F16													
EXB(C)9	200	23	00	20	355	47		47		47		_										
EXB(C)10	200	35	00	30	975	76		76		76		_										
EXB(C)11	200	50	00	44	250	105		105		105		105		105		105		105		_	F14/F16	
EXB(C)12	200	80	00	70	800	143		_	F25													

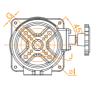
Note: 1. Standard configuration of the product at the factory. The above markings "-" do not include this product model.

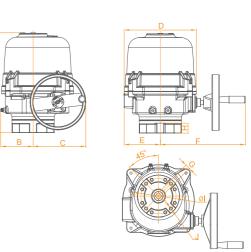
- 2. The rated torque is 0.75 times the maximum torque.
- 3. The standard factory protection level of the motor is F level insulation, and H level can be selected.
- 4. The switching time of 4.60 Hz is 5/6 times that of 50 Hz, and the maximum output torque is the same as above.
- 5. "CG" in "*" represents the specification of the adjustable product of this series.

Explosion-proof Product Integral Type

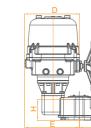


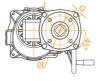






EXC(G) 1/A/B-H







EXB(C)10~12

Ur	it.	m	m

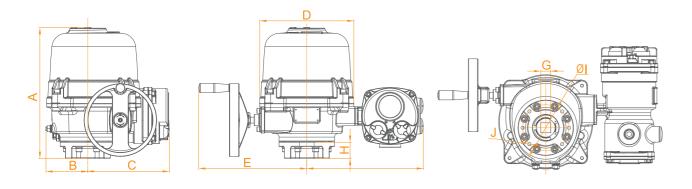
model			В	С	D	Е	F	G		ΦΙ		Weight (kg)
EXC1-H EXCA-H EXCB-H	On/off type	192	121	108	167	_	_	11x11	20	36 50 70	4-M5 4-M6 4-M8	3.2
EXCG1-H EXCGA-H EXCGB-H	Modulating type	212	121	108	167	_	_	11x11	20	36 50 70	4-M5 4-M6 4-M8	3.6
EXB(C)2 EXB(C)3		286	83	126	209	108	242	14x14 17x17	35	70	4-M8	11
EXB(C)4 EXB(C)5 EXB(C)6 EXB(C)7		354	115	187	256	129	302	22x22 22x22 27x27 27x27	55	102 102 125 125	4-M10 4-M10 4-M12 4-M12	22
EXB(C)8 EXB(C)9		415	136	242	308	152	340	27x27 36x36	65	125 140	4-M12 4-M16	36
EXB(C)10 EXB(C)11		589	118	242	308	308	192	40x40 46x46	85	140 165 165	4-M28 4-M20	76
EXB(C)12		602	160	242	308	343	160	55x55	130	254	8-M16	107

Note: 1. The above "G" size is recommended, and our company can still make corresponding matching sizes according to customer requirements

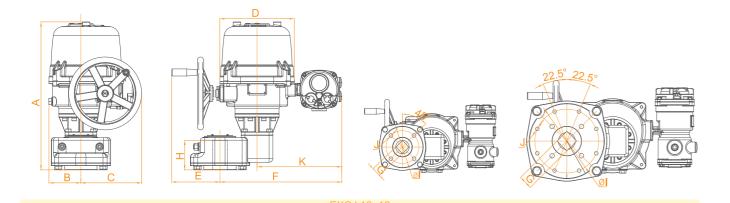
2. The above" Φ The dimensions of I "and" J "are determined according to ISO 5211 flange specifications, that is, there is only one specification available for selection. Please specify it when ordering.

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Explosion-proof Product Intelligen Type



EXCJ 2~9



												Unit: mm
model		В		D			G					Weight (kg)
EXCJ 2	286	83	160	209	242	294	14x14 17x17	35	70	4-M8	319	13
EXCJ 3	286	83	160	209	242	294	14x14 17x17	35	70	4-M8	319	13
EXCJ 4	354	113	220	255	293	315	22x22	55	102	4-M10	319	24
EXCJ 5	354	113	220	255	293	315	22x22 27x27	55	102 125	4-M10 4-M12	319	24
EXCJ 6	354	113	220	255	293	315	27x27	55	125	4-M12	319	24
EXCJ 7	354	113	220	255	293	315	27x27	55	125	4-M12	319	24
EXCJ 8	415	127	242	296	340	337	27x27	65	125	4-M12	319	38
EXCJ 9	415	127	242	296	340	337	36x36	65	140	4-M16	319	38
EXCJ 10	589	127	242	296	192	484	40x40	85	140 165	4-M16 4-M20	337	78
EXCJ 11	589	127	242	296	192	484	46x46	85	165	4-M20	337	78
EXCJ 12	545	160	244	296	160	519	55x55	130	254	8-M16	337	109

Note: 1. The above "G" size is recommended, and our company can still make corresponding matching sizes according to customer requirements.

2. The above" Φ The dimensions of I "and" J "are determined according to ISO 5211 flange specifications, that is, there is only one specification available for selection. Please specify it when ordering.

Other Product

Battery reset ▶▶▶

Using high-performance lithium batteries as backup power, the battery is charged and in standby mode when the system power is normal; When the system power is cut off, the battery supplies power to the actuator and executes to the preset position.



High performance lithium battery

This figure is for reference only, specific model parameters
You can consult our business personnel.

Power voltage: 24VAC/DC standard configuration;
Other voltages need to be matched with power adapters(transformers/switch power boxes);
EFM1/A/B - (H) series 100VA EOM2-3 series 250VA EOM4-7 series 500VA

Environmental temperature: -20 ° C~50 ° C

Relative humidity: ≤ 90% (25 ° C)

Working environment: does not contain strongly corrosive, flammable, or explosive media

Working hours: S1 continuous working system

Control signal: switch type - switch contact signal

Protection level: standard IP67; Optional: IP68

Battery parameters: 24V DC, 1500m AH, charging time 5 hours

Power loss mode: fully open, fully closed, hold

Number of power loss operations: ≥ 5 full stroke

Output torque: ≤ 1000N. m

Note: For technical parameters such as torque and switching time, please refer to the 24Vac/dc series products.

Quick Open&Slow Open ▶▶▶

According to actual usage conditions, FLOWINN can provide corresponding solutions according to specific needs when it is necessary to quickly or slowly open and close valves.

	Daway	Maximum outp	out torque (N.m)	Maximum outp	ut torque (lbf. in)	Switching time (Sec)		Moight	Pair	Notes
Model	Power (W)	AC 110V AC220V AC/DC24V	AC380V three-phase	AC 110V AC220V AC/DC24V	AC 220V AC380V three-phase	AC 110V AC380V AC 220V three-phase	Battery reset e AC/DC 24V	ISO 5211	Weight (kg)	Explosion proof type	Notes
EFMQ2-	1	3	30	26	66	2	1.8				
EFMQ2-2	2	4	15	39	98	3	2.8				
EFMQ2-3		25	50	220	443	2	3.6				
EFMQ2-4		30	75	266	664	3	4.6	F05 or F07			
EFMQ2-	5 40	35	75	310	664	6	5.4	or F10	11	EXB(C)2	
EFMQ2-6		45	90	398	797	7	6.4	01110			
EFMQ2-7	7	55	100	487	885	8	7.2				
EFMQ2-8		65	130	575	1150	9	8.2				
EFMQ2-9		75	150	664	1328	10	9.0				Handwheel
EFMQ4-		105	230	930	2036	4	3.6				operation
EFMQ4-2		130	285	1151	2522	5	4.6				planetary
EFMQ4-3		155	340	1372	3010	6	5.4	F10 or F12			gear
EFMQ4-4		180	400	1593	3540	7	6.4	or F14	22	EXB(C)4	mechanism
EFMQ4-		210	455	1860	4027	8	7.2	01114			moonamom
EFMQ4-6		235	510	2080	4514	9	8.2				
EFMQ4-7		260	570	2300	5045	10	9.0				
EFMQ8-		250	492	2213	4354	4	3.6				
EFMQ8-2		310	615	2744	5443	5	4.6				
EFMQ8-3		370	740	3275	6550	6	5.4	E10 or E10			
EFMQ8-4		435	860	3850	7610	7	6.4	F10 or F12 or F14	36	EXB(C)8	
EFMQ8-		500	985	4425	8717	8	7.2	01 F 14			
EFMQ8-6		560	1100	4956	9735	9	8.2				
EFMQ8-7	7	620	1230	5487	10886	10	9.0				

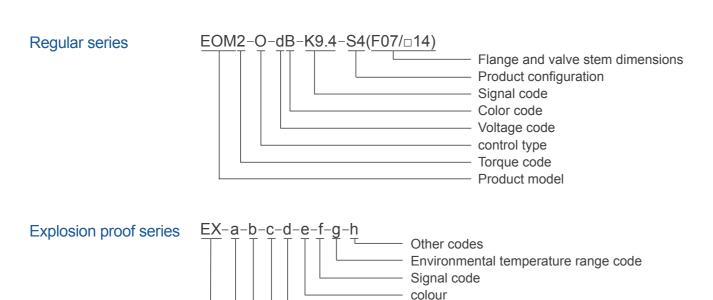
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Other Options

More accessories available for selection											
Product Type	Flange	Spline sleeve	Independent terminal box	Sprocket	Remote control	Explosion proof remote control					
Basic / Integral Type	*	✓	✓	*		-					
Integration Type	*	✓	≠	≠	-	-					
Intelligent Type	*	*	≠	*	*						
Explosion proof series	≠	≠	_ 		_	✓					

More optional features			
Product type	Quick open (Customize the switching time according to the needs, Add quick opening type)	Slow opening (Customize the switching time according to the needs, Add slow opening function)	
Regular series	≠	*	
Explosion proof series	✓	_	

Order Code



Voltage code

Specification code

Explosion proof sign structure code

switch type

Series Code

Quality & Service



years warranty

Standard products

7 days leadtime

day

Quality & Service

FLOWINN's professional service team is always ready to provide you with comprehensive services and professional technical support:

- We are always waiting to serve you, whether it is by phone, email, or rushing to the scene, we will do our best.
- Stable delivery time.
- Professional team rushed to the site for installation and debugging
- Regularly track the usage of our products and conduct on-site maintenance
- Provide professional technical training for users and distributors product structure, operation, debugging, and maintenance

Customized solutions:

- For FLOWINN, there is no "IMPOSIBILITY".
- Based on special circumstances, we provide customized solutions.