

A100 PROEx Series Ex-proof Electric Actuators

A100 PROEx series electric actuators are quarter-turn actuators designed and certified for the safe control valves in environment potentially containing flammable and explosive gases and/or dust.

A100 PROEx series actuators are produced and certified by a reputable certification body, offering 14 different sizes with torque values

ranging from 50 Nm to 8000 Nm and a wide range of supply voltage options, available for on/off or proportional control.

Explosion-proof (Ex d class) flameproof-bodied actuators provide safe operation in environments containing flammable and explosive

substances such as chemical, petrochemical, natural gas, general industrial facilities, grain silos, or other facilities with combustible and explosive gases and dust. Ex-proof actuators are optionally supplied with ATEX-approved standard or armored cable glands based on their specific application areas.



PROEx 005/008
Electric Actuators

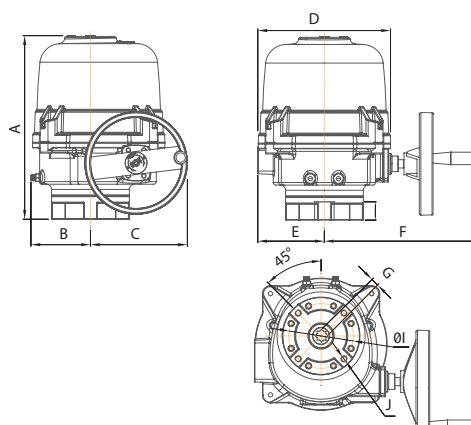
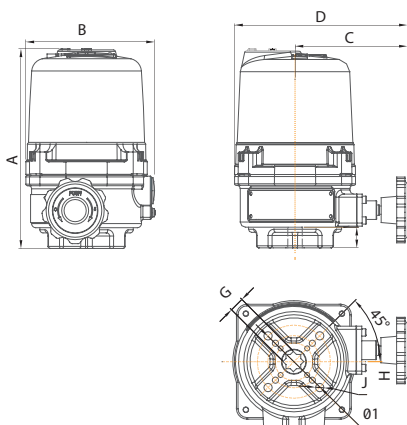
Technical Properties,

Torque Range	50-8000 Nm (14 different model)
Operation Mode	On/Off, Proportional (0-10V / 4-20 mA)
Supply Voltage	24V/48V/110V/110V DC, 24V/110V/230V/240V/380V AC
ATEX Certificate (DNV)	Ex II 2G Ex db IIC T4-T6 Gb / Ex II 2D Ex tb IIIC T85°C/T100°C/T135°C Db
ATEX Group	Group II

ATEX Category	2 G/D
ATEX Zone	Zone 1,2 (Gas) / 21,22 (Dust)
ATEX Explosion Group	IIC (Gas) / IIIC (Dust)
ATEX Operating Temp.	-20°C ~ +65°C / -40°C ~ +65°C
ATEX Surface Temp.	T4 (135°C) ~ T6 (85°C) T4 (135°C) ~ T6 (85°C)

PROEx 005/ 008

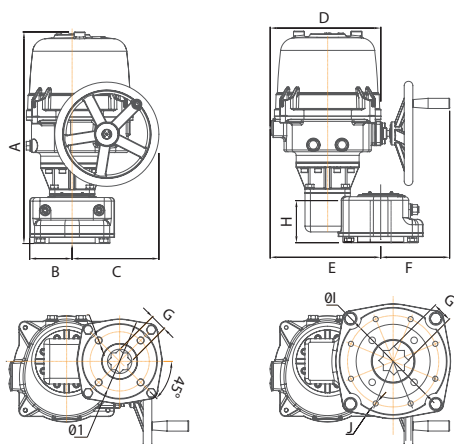
PROEx 010/ 020/ 030/ 040/ 060/ 080/ 100/ 170/ 230



PROEx 010..230
Electric Actuators

PROEx 350/ 500/ 800

Dimensions (mm)



Model	Torque (Nm)	A	B	C	D	E	F	G	H	Ø1	J	Weight (kg)
PROEx 005	50	192	121	108	167	-	-	11 X 11 14 X 14	20	36 50 70	4-M5 4-M6 4-M8	3,2
PROEx 008	80											
PROEx 005	50	212	121	108	167	-	-	11 X 11 14 X 14	20	36 50 70	4-M5 4-M6 4-M8	3,6
PROEx 008	80											
PROEx 010	100	286	83	126	209	108	242	14 X 14 17 X 17	35	70	4-M8	11
PROEx 020	200											
PROEx 030	300	354	115	187	256	129	302	22 X 22 22 X 22 27 X 27 27 X 27	55	102 102 125 125	4- M10 4- M10 4- M12 4- M12	22
PROEx 040	400											
PROEx 060	600											
PROEx 080	800											
PROEx 100	1000	415	136	242	308	152	340	27 X 27 36 X 36	65	125 140	4- M12 4- M16	36
PROEx 170	1700											
PROEx 230	2300											
PROEx 350	3500	589	118	242	308	308	192	40 X 40 46 X 46	85	140 165 165	4- M16 4- M20 4- M20	76
PROEx 500	5000											
PROEx 800	8000											



Technical Data

Model	Torque Value (Nm)	Manual Handwheel	Torque Limit Switch	Dry-Contact Limit Switch	Engine Power (W)	Supply Voltage	Operation Time (Sec)	Initial Current Value (A)	Operating Current Value (A)	LRA Current Value (A)
PROEx 005	50	√	-	√	10	24V DC	10	2,25	0,9	1,80
						220V AC (50/60 Hz)	15 / 14	0,53	0,21	0,50
PROEx 008	80	√	-	√	10	24V DC	15	2,25	0,9	1,80
						220V AC (50/60 Hz)	22 / 18	0,50	0,21	0,50
PROEx 010	100	√	√	√	40	24V DC	14	8,00	3,2	6,00
						220V AC (50/60 Hz)	19/16	1,00	0,42	0,80
						380V AC (50/60 Hz)	19/16	0,80	0,32	0,60
PROEx 020	200	√	√	√	40	24V DC	28	8,00	3,2	6,00
						220V AC (50/60 Hz)	39/33	1,00	0,42	0,80
						380V AC (50/60 Hz)	39/33	0,80	0,32	0,60
PROEx 030	300	√	√	√	40	24V DC	28	8,50	3,5	6,50
						220V AC (50/60 Hz)	39/33	1,15	0,46	0,85
						380V AC (50/60 Hz)	39/33	0,80	0,35	0,65
PROEx 040	400	√	√	√	90	24V DC	21	14,00	5,6	10,50
						220V AC (50/60 Hz)	29/24	2,20	0,9	1,80
						380V AC (50/60 Hz)	29/24	1,50	0,62	1,20
PROEx 060	600	√	√	√	90	24V DC	28	14,00	5,6	10,50
						220V AC (50/60 Hz)	39/33	2,20	0,9	1,80
						380V AC (50/60 Hz)	39/33	1,50	0,62	1,20
PROEx 080	800	√	√	√	90	24V DC	34	14,00	5,6	10,50
						220V AC (50/60 Hz)	47/39	2,20	0,9	1,80
						380V AC (50/60 Hz)	47/39	1,50	0,62	1,20
PROEx 100	1000	√	√	√	120	24V DC	34	20,00	8,4	16,00
						220V AC (50/60 Hz)	47/39	2,50	1,1	2,00
						380V AC (50/60 Hz)	47/39	2,00	0,8	1,50
PROEx 170	1700	√	√	√	200	220V AC (50/60 Hz)	34/28	5,50	2,2	4,00
						380V AC (50/60 Hz)	34/28	2,50	1,1	2,00
PROEx 230	2300	√	√	√	200	220V AC (50/60 Hz)	47/39	5,50	2,2	4,50
						380V AC (50/60 Hz)	47/39	2,50	1,1	2,00
PROEx 350	3500	√	√	√	200	220V AC (50/60 Hz)	76/63	5,50	2,2	4,50
						380V AC (50/60 Hz)	76/63	2,50	1,1	2,00
PROEx 500	5000	√	√	√	200	220V AC (50/60 Hz)	105/88	5,50	2,2	4,50
						380V AC (50/60 Hz)	105/88	2,50	1,1	2,00
PROEx 800	8000	√	√	√	200	220V AC (50/60 Hz)	143/119	5,50	2,2	4,50
						380V AC (50/60 Hz)	143/119	2,50	1,1	2,00