



A100 Compact Series Quarter Turn Electric Actuators

Proval A100 Compact Series electric actuators are used for on/off or proportional control of quarter turn butterfly, ball, plug and damper valves.

A100 Compact Series Actuators with a range of 50~2500 Nm, with their compact structure are manufactured corrosion resistant epoxy coated aluminum injection material, are ideal control of valve equipment for on/off or proportional control in heating and cooling, water/waste water treatment and other industrial processes.



Limit Switch

Easy adjustable standard wet and dry contact limit switch-cam structure.

Indicator

Visual position indicator.

Traceability

All actuators have QR codes for traceability, production and control of process.

Terminal Connection

Easy connection with spring terminal blocks.

Compact Structure

Lightweight and compact design for placement in narrow place.

Reliable Leaktightness

Provides more durable sealing body-cover gasket.

Operating Safety

The motor has F class isolation and thermal protection. This feature, it ensures that our engines have a longer operating.

Heater

The heater protects the motor against humidity and condensation located in the actuator.

Protection Against Corrosion

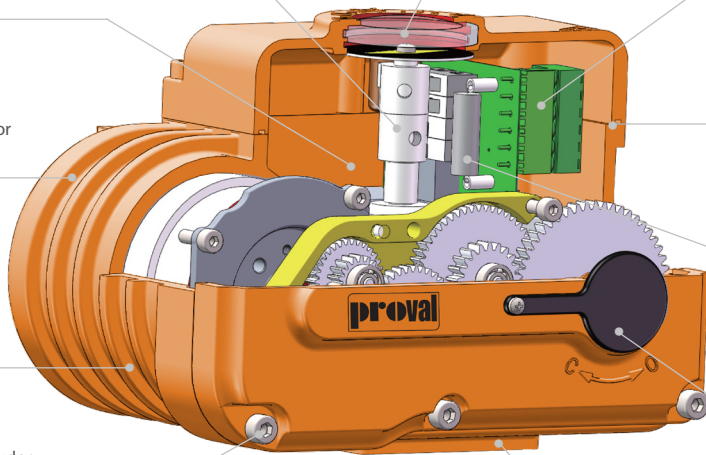
Aluminum injection body with powder epoxy coating, it provides high protection against corrosion. All bolts are stainless steel.

Manual Control

Z key is supplied with the product for manual control in case of power cut. By removing the sealing cover, control is provided with the Z key.

Mounting Flange

Actuators are manufactured according to the ISO5211, multiple F hole axis. Therefore users gain the flexibility to use the same actuators on different valves.



Technical Specifications

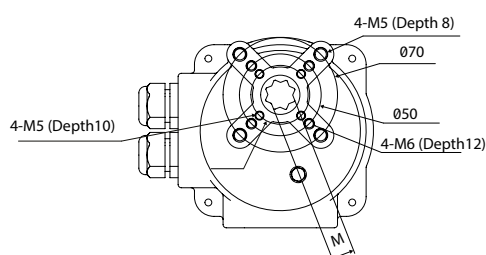
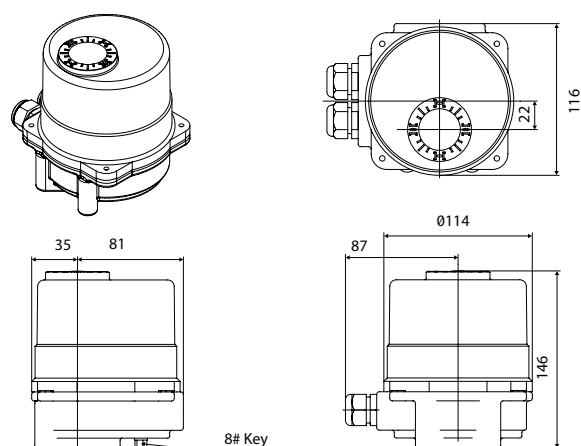
Series	A100 Compact Series (COM)
Torque Range	50~2500 Nm
Protection Range	IP67, Optional IP68
Operating Range	On/Off type, S2-15 min. Proportional Type S4-50%
Operating Voltage	AC110V, AC220V ± 10% 1 Ph: 50/60Hz ± Optional: AC/DC24V, AC380V
Operating Temperature	-25°~+60°C
Humidity	≤90% (25°C)
Motor Class	Class F, Thermal Protection
Mounting Flange	ISO5211 Flange, Double Square Shaft Connection
Configuration of Proportional Control	Lost Signal Support, Reverse Signal Identification Function
Manual Control	Manual Z Allen Key
Position Indicator	Horizontal Continuous Position Indicator
Input Signal	On/Off Type: On/Off Signal Proportional Type: Standard 4-20mA (Input Impedance :150Ω). Optional: 0-10V , 2-10V : Optoelectronic Isolation
Output Signal	On/Off Type: Open/Close Wet Contact and Open/Close Dry Contact Proportional Type: Standard 4-20mA (Output Impedance ≤750Ω). Open/Close Dry Contact Switch. Optional: 0-10V 2-10V Optoelectronic Isolation
Cable Union	On/Off: 2xPG13.5 Proportional : 2xPG13.5
Heater	Standard Included
Colour	RAL2004 Anti Corrosive Powder Epoxy Coating

Technical Specifications

Model	Motor Power (W)	Output Torque Value (Nm)		Cycle Time (Sec.) 50Hz			ISO5211 Top Flange	Spindle Shaft (mm)	Shaft Depth (mm)	Unit Weight (kg)	Manual Control
		AC110V AC220V AC/DC24V	AC380V 3 Phase	AC110V AC220V	AC380V	AC/DC 24V					
COM50	6	50	-	19	-	14	F03/F05/F07	9x9 11x11 14x14	≤20	2	8# Key Handle
COM100	25	100		30		23	F05/F07	11x11 14x14 17x17	≤32	4.5	6mm Allen Key Z Handle
COM200	40	200		30		23	F07/F10	14x14 17x17 22x22	≤44	10	
COM400	60	400		30		23		27x27			
COM600	90	600		30		23	F10/F12	22x22 27x27	≤30	26	
COM1000	120	1000		30		23					
COM1600	150	1600		42		32					
COM2500	200	2500		70		53	F14/F16	27x27 36x36	≤48		

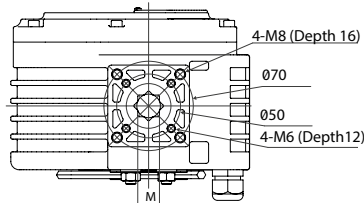
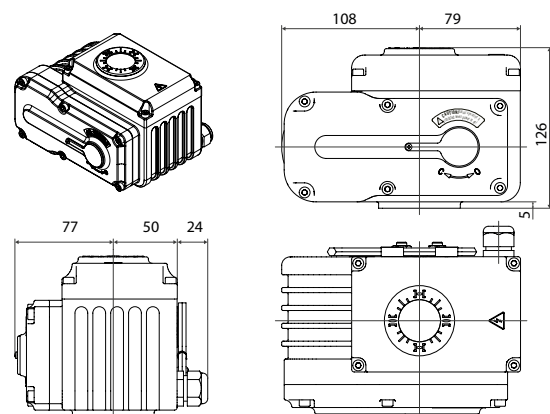
Dimension (mm)

COM50



Model	COM50
Spindle Shaft (M)	9x9, 11x11, 14x14
ISO5211 Flange	F03 / F05 / F07
Shaft Height	≤20

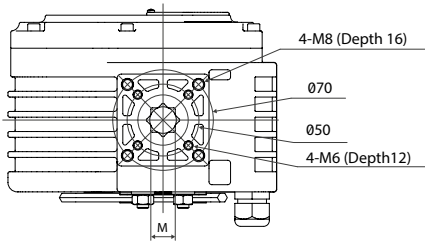
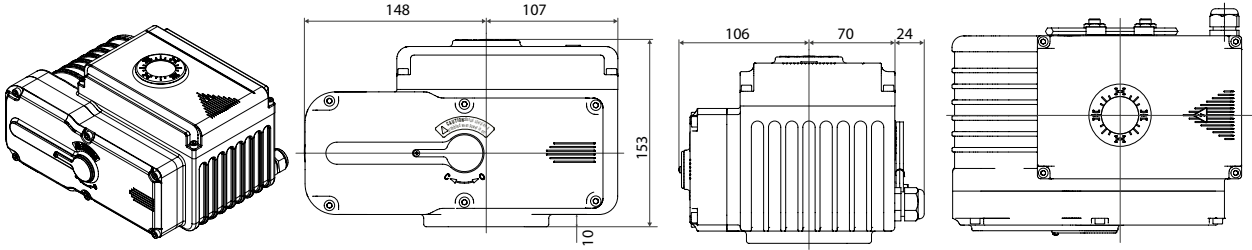
COM100



Model	COM100
Spindle Shaft (M)	11x11, 14x14, 17x17
ISO5211 Flange	F05 / F07
Shaft Height	≤32



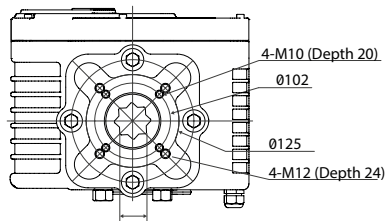
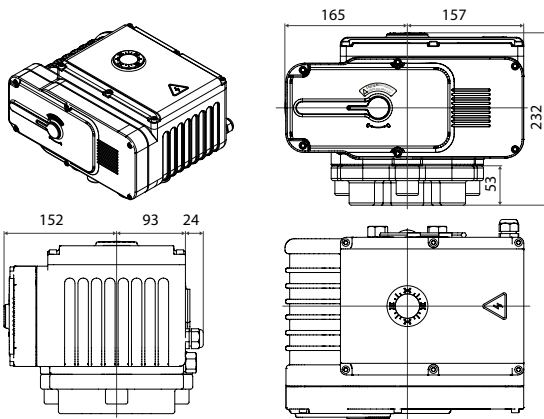
COM200 / COM400 / COM600



Model	COM200 / COM400	COM600
Spindle Shaft (M)	14x14, 17x17, 22x22	27x27
ISO5211 Flange	F07 / F10	
Shaft Height	≤44	



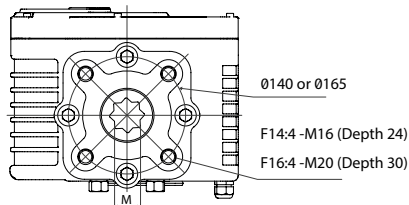
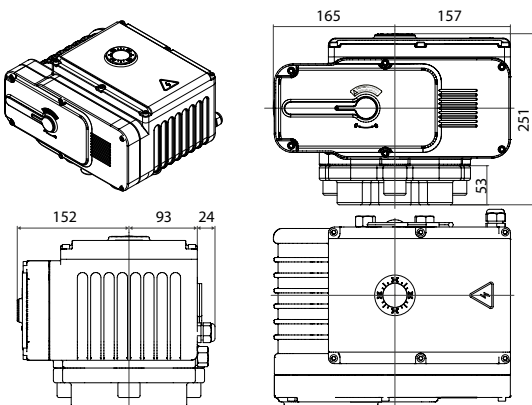
COM1000 / COM1600



Model	COM1000 / COM1600
Spindle Shaft (M)	22x22, 24x24
ISO5211 Flange	F10 / F12
Shaft Height	≤30



COM2500



Model	COM2500
Spindle Shaft (M)	27x27, 36x36
ISO5211 Flange	F14 / F16
Shaft Height	≤48

