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VALVE AUTOMATION SYSTEMS

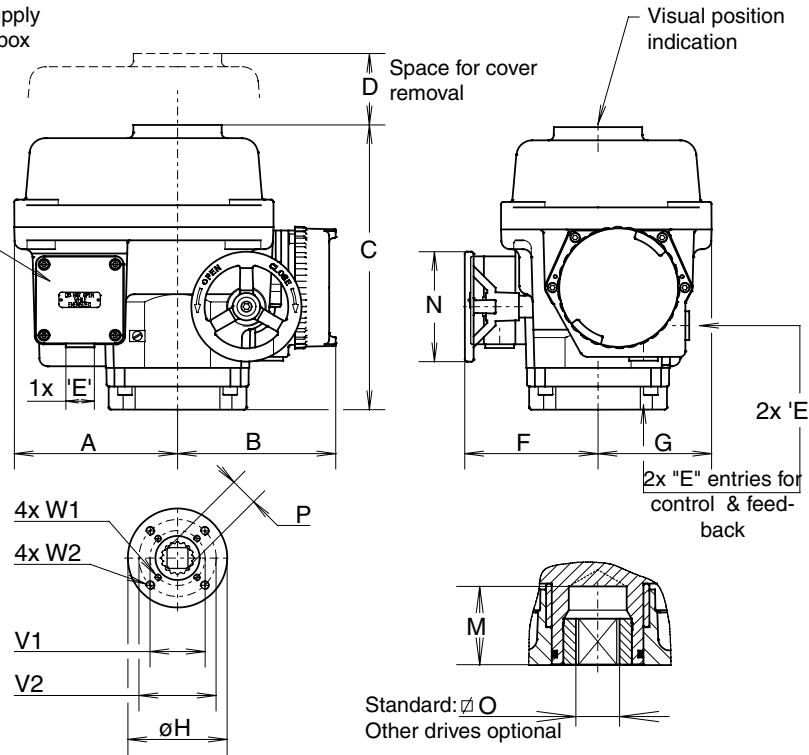
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Power supply terminal box



**Description:**

Series ELQ XP electric actuators are powerful, 1/4 turn units with five sizes covering the torque range from 100 to 800 Nm. They incorporate High Ratio Drive (HRD) gearing which provides a compact backlash free reduction gear ideally suited for both tight positional control and long trouble free ON/OFF operation. Universal power control allows direct connection to all the usual voltages.

The explosionproof housing contains the motor, gear reduction and the Electronic Control Unit (ECU). - Electronic control enables precise control of the actuators internal functions and a ready interface to a wide range of control options. Electronic torque control is included as a standard feature. Modular construction is used throughout and allows for a wide range of "kit" and "factory" options.

The manual override handwheel is constantly engaged, it is non-rotating and arranged so that at no time can be back driven by the motor. The handwheel is equipped with a spinner and so can be easily removed. The mounting/drive is to ISO 5211.

**Specification**

- Nominal Rotation : 90° - Analogue adjustable from 10° up to 100° of stroke
- Enclosure : IP67 acc. to IEC529
- Explosion proof : II 2 G EEx d IIB T4, acc. to EN50014 and EN50018
- Certificatenr. : KEMA 03ATEX2128X
- Temperature : -20°C to +70°C
- Electrical Entries : 3 x M20x1.5 , option 1/2" NPT
- Electrical Connection : By internal terminal block.
- Power supply : AC - 115V, 230V, or 400V : (+10% / -6%) 50/60 Hz
- : DC - 24V : (±10%)
- Control signal : 24VDC : (±10%)
- Limit Switches : 2 x SPDT, Micro switches (500mA at 30 VDC/VAC)
- Duty cycle : 100%
- Torque Control : Electronic
- Mechanical Stops : At 0° and 90°, adjustable +/- 10°
- Heater : Standard, 10 Watt.
- Visual Indication : On top cover.
- Finish : Two component polyurethane coating.
- Materials : External Steel Parts : Stainless Steel.
- : Housing : Aluminum alloy

**Kit options:**

- Position control
- Extra limit switches,
- Position transmitter,
- Speed control
- Status option

**Factory options:**

- IP68,
- Low temperature

Dim. in mm.	ELQ100	ELQ200	ELQ300	ELQ500	ELQ800
A	148	148	148	182	182
B	144	144	144	184	184
C	260	260	260	305	305
D	100	100	100	100	100
E	M20x1.5	M20x1.5	M20x1.5	M20x1.5	M20x1.5
F	118	156	156	219	256
G	103	103	103	132	132
H	125	125	125	175	175
M	50	50	50	60	60
N	100	180	180	300	400
O max.	19.11	19.11	22.13	27.13	36.16
O min.	19.00	19.00	22.00	27.00	36.00
P	25.2	25.2	28.2	36.2	48.2
V1	70	70	70	102	102
V2	102	102	102	140	140
W1	M8x13	M8x13	M8x13	M10x16	M10x16
W2	M10x16	M10x16	M10x16	M16x25	M16x25

Performance		ELQ100	ELQ200	ELQ300	ELQ500	ELQ800
Max. Torque (Nm.)	Break/Run	100	200	300	500	800
Speed/90° (Sec.)	max. load	10	14	18	22	36
	no load	6	8	13	17	28
Current (A)	115VAC	1	1	1	1.7	1.7
	230VAC	0.5	0.5	0.5	0.9	0.9
Max.	400VAC	0.3	0.3	0.3	0.5	0.5
	24V DC	4.1	4.3	4	5.3	5.1
Power (W) Nominal		98	102	96	130	125
Weight (Kg)		13	14	14.5	28	30

DIMENSIONS AND TECHNICAL DETAILS - ELECTRIC ACTUATOR - ELQ XP