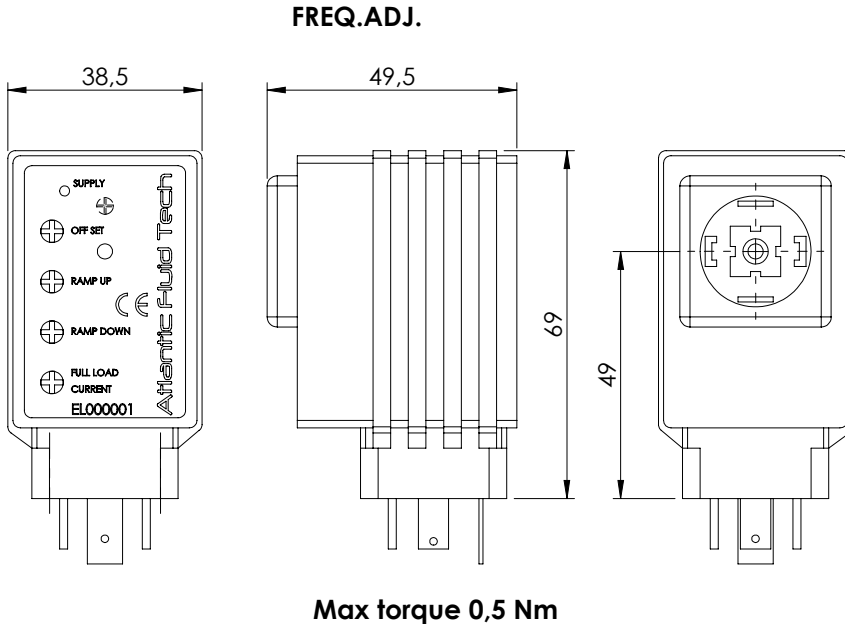
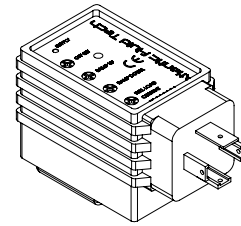


PROPORTIONAL VALVE CONTROLLER

ELPC-030-SCCB



SPECIFICATIONS

Supply voltage: 12 - 30 VDC
 Coil rating must be matched with supply voltage:
 $R_{coil} < (V_{supply} - 1,5V) / I_{max}$

Control input signal options:
5KΩ external potentiometer
 (accepts 2KΩ to 10KΩ), or 0-10 VDC signal
 (see connection diagram)

Output current: up to 2A

Minimum current: 0 - 0,6 A

Max current deviation in temperature range: 3%

Ramp up / ramp down: 0,1 to 10 sec
 Ramp setting independent from current range

PWM frequency: 100 - 500 Hz

Operating conditions: -20 TO +70°C
 0 to 85% relative humidity

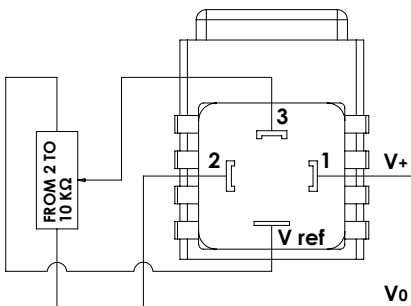
Environmental protection: IP65
 with cover and seals installed

Connector type: DIN 43650 - ISO 4400

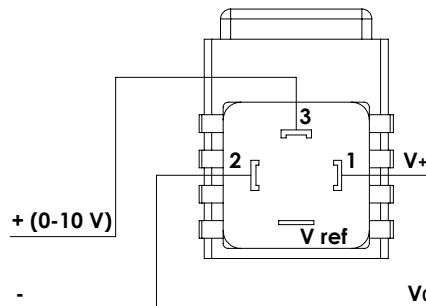
IMPORTANT

DO NOT REMOVE controller from solenoid when energized to avoid the risk of damaging it

CONNECTION EXAMPLE WITH JOYSTICK OR POTENTIOMETER



CONNECTION EXAMPLE WITH ANALOGIC SIGNAL



SETTING INSTRUCTIONS

SUPPLY: led is on when current is supplied

OFFSET: to be used to set minimum current value (I min), turn clockwise to increase setting

RAMP UP: to be used to set the ramp time from minimum (I min) to maximum current value (I max)

RAMP DOWN: to be used to set the ramp time from maximum (I max) to minimum current value (I min)

FULL LOAD CURRENT: to be used to set maximum current value (I max), turn clockwise to increase setting

FREQ. ADJ.: this trimmer is inside the controller and is preset by factory, to be used to modify the PWM frequency

ORDERING CODES

Quick code	Description
EL000001	Proportional controller ELPC-030-SCCB