CPS 5.011
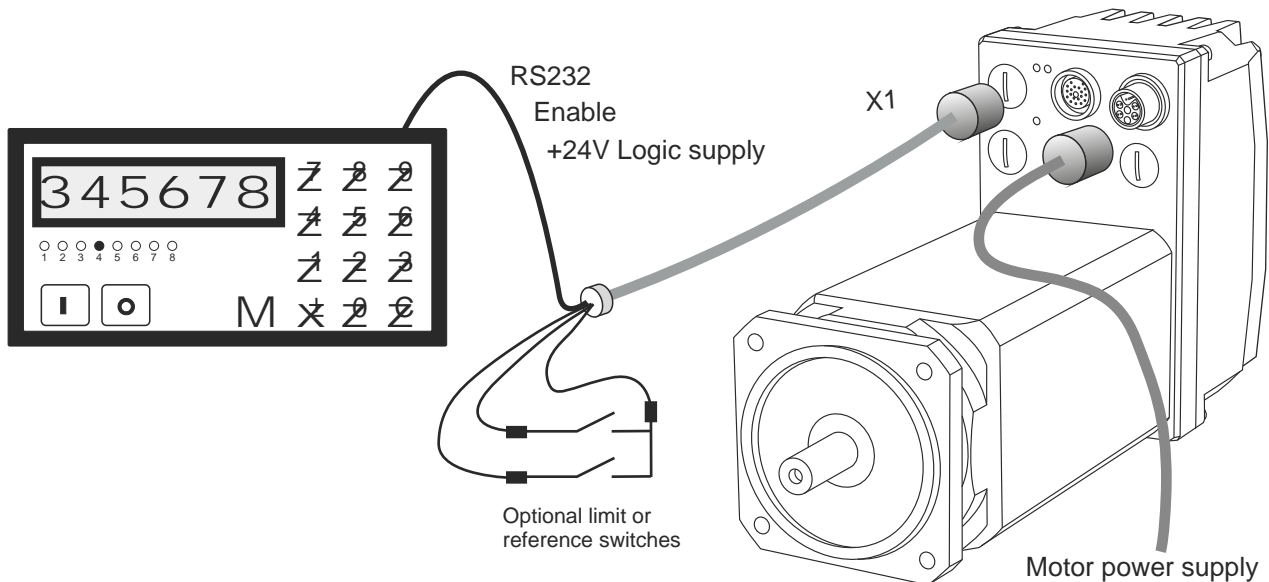
Servo-Positioning-Controller

- For positioning with decentralized servo drives esiMot and servo controller SC2 / SC10
- Direct data exchange with esiMot or SCx
- Position acquisition through the motor-feedback - no additional encoder required
- Direct length input (enter - start)
- Up to 8 positions storable
- Inputs for jog mode
- Well legible LED display (6-digit, red, 14 mm characters)
- Backlash compensation and loop travel
- Resolution programmable to display engineering units
- Supply voltage 18 V - 32 V
- Compact size (144x72x112mm (WxHxD))

Suitable for all esiMot - types and SC2 / SC10

Servo-Positioning-Controller CPS 5.011

RS232
Enable
+24V Logic supply

X1

Optional limit or
reference switches

Motor power supply

Example with esiMotXL

Functions:

Positioning:
1. Enter position and start
2. Recall of stored positions via keyboard or digital inputs
3. Jog mode with rapid or creep speed

Positions memory:
- With incremental position measuring systems, the current position can be saved in a power failure-proof manner. Repeated reference movement is not required if it is ensured that the position in switched off state is not changed
- esiMot is available with optional multi turn absolute encoder. This position is used by the CPS 5.

Reference run:
- Numerous reference modes to select from: To reference switch, limit switch, to block (with adjustable torque limit) or simple zero setting at the current position.

Status- and error display:
- All CPS5 and esiMot status and error messages are displayed

Parameter adjustment:
- All parameters are adjusted at the CPS5
- including esiMot's regulator adjustments
- esiMot's adjustments can be read and stored into CPS5

Inputs / Outputs

8 digital inputs 24 V, e.g.

- Enable
- Reference run
- Relieve
- Jog
- Start, Stop
- Set to zero
- Disable keyboard
- Select stored position

8 digital outputs 24 V, e.g.

- Position reached
- Ready
- Program end