

Electronic Control Unit ES/43



GESSMANN

The Electronic Control Unit ES/43 serves for control of proportional valves without position control. There is a version for 4 proportional valve solenoids (ES / 43-10) and a version for 2 Proportional valve solenoids (ES / 43-11) available.

Features:

- Stabilized voltage
- Chopper output stage with adjustable frequency
- Ramp time setting ON/OFF delay
- Creep speed circuit adjustable
- Solenoid current setting separate for minimum current and maximum current
- Output current controlled independently of temperature and solenoid
- Power output short-circuit-proof with overload protection
- Voltage input protected against polarity reversal
- Mechanical selection of direction by means of contacts
- LED operating voltage and working display
- Microprocessor technology therefore especially adaptable



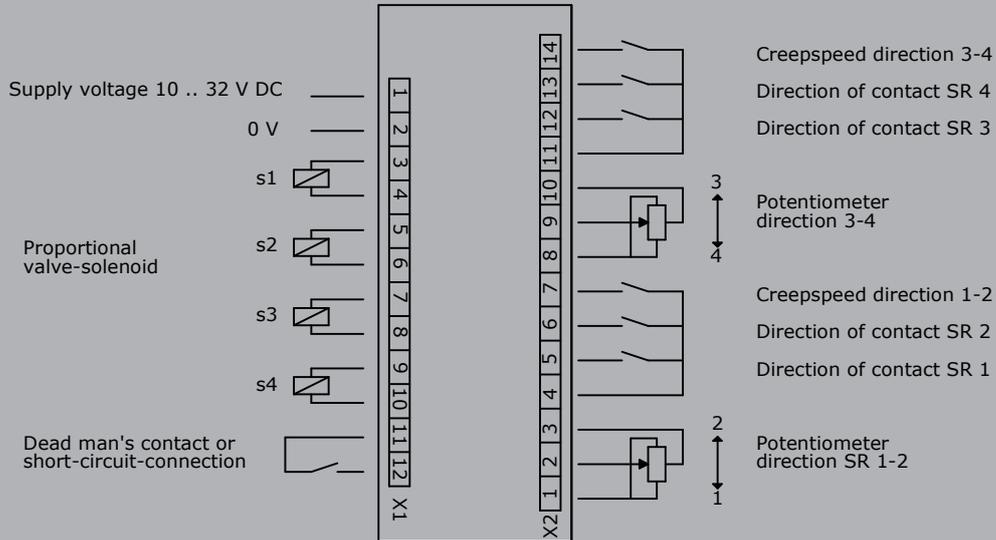
Technical data:

| | | | | |
|----------------------------|--------------------|----------------|---------------|----------------|
| - Supply voltage | | 10... | 32 V DC | <i>Example</i> |
| - Residual ripple | | 20% | | |
| - Control voltage range | Ue | 0... | 5 V | |
| - Control current | Ie | < 1mA | | |
| - Dither frequency | f | 25... | 250Hz | |
| - Proportional valve S 1-4 | I min. | 0... | 1A | |
| Output | I max. = I min ... | | 2A at 12 Volt | |
| Output | I max. = I min ... | | 1A at 24 Volt | |
| - Ramp time setting | t on | 0,2... | 25 sec | |
| | t off | 0,2... | 25 sec | |
| - Creep speed | variable reduction | | 25...75% | |
| - Operating temperature | | -40°C to +85°C | | |
| - Storage temperature | | -40°C to +80°C | | |

Electronic Control Unit for 4 proportional valves solenoid ES/43-10

Electronic Control Unit for 2 proportional valves solenoid ES/43-11

ES / 43-10
4 Proportional valves-solenoid



ES / 43-11
2 Proportional valves-solenoid

