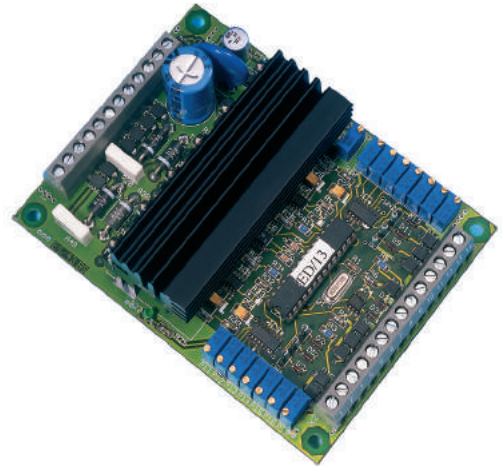




The electronic control unit ES/43 serves for control of proportional valves without position control. There is a version for 4 proportional valve solenoids (ES / 43-10) and a version for 2 Proportional valve solenoids (ES / 43-11) available.

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



Example

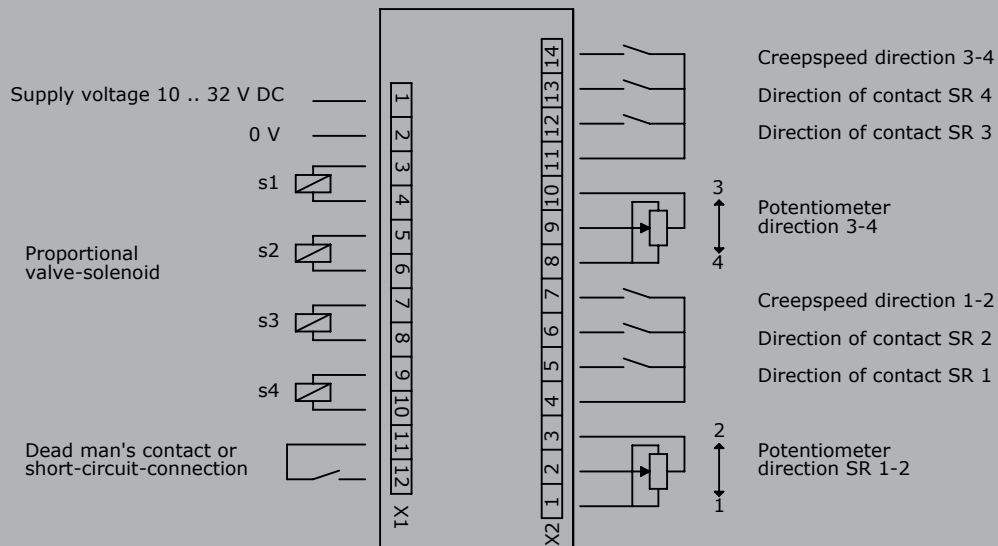
2

Technical data:

- Supply voltage		10...	32 V DC
- 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

