

# ZES-40

Control unit



Electric control of the  
direction of working  
medium flow

- electric control of operating manifolds in machines and hydraulic devices
- designed for use in areas with explosion hazards



# ZES-40

Control unit

## TECHNICAL DATA

### WORKING PARAMETERS

- ✓ Operating mode
- ✓ Working conditions
  - ambient temperature
  - relative humidity of air
- ✓ Hydraulic liquid

- rated viscosity of the liquid
- viscosity range
- required filtration level
- rated pressure
- maximum pressure
- maximum flow

- optimum working temperature (of the liquid in the container)
- liquid temperature range

- ✓ Supply voltage

- ✓ Acceptable output parameters
- ✓ Coil resistance
- ✓ Rated current of the safety fuse of the coil
- ✓ Size
- ✓ Weight
- ✓ Casing protection degree

constant operation

0°C ÷ 65°C  
 up to 95%, at the temperature of 25°C  
 oil-in-water emulsion, hydraulic oil  
 or other oil with similar properties

37 mm<sup>2</sup>/s  
 2.8 do 380 mm<sup>2</sup>/s  
 40 µm  
 32 MPa  
 35 MPa  
 depending on working pressure,  
 hydraulic medium and acceptable  
 pressure drops on the valves of  
 operating manifolds

20°C ÷ 60°C

0°C ÷ 70°C

10,2...13,8 V DC from a power supply  
 unit with an intrinsically safe output and  
 maximum output and maximum output  
 current of 2 A

$U_i = 15.3 \text{ V}$ ,  $I_i = 2 \text{ A}$ ,  $L_i \approx 0$ ;  $C_i \approx 0$   
 $R = 126 \pm 10 \ \Omega$   
 250 mA, one-shot fuse  
 40 × 133,5 × 165 mm  
 about 4.0 kg  
 IP 65

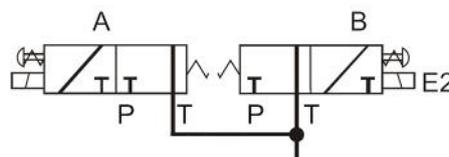


Diagram of hydraulic connections of ZES-40



Anti-explosion structure

CE-type examination certificate

Conformity mark

I M1 Ex ia I Ma

FTZU 04 ATEX 0009X