

ZES-40

Control unit



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

**CONTROL OF
WORKING
MEDIUM FLOW**



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WORKING PARAMETERS

Operating mode	constant operation
Working conditions:	
- ambient temperature	0÷65°C
- relative humidity of air	up to 95%, at the temperature of 25°C
Hydraulic liquid	oil-in-water emulsion, hydraulic oil or other oil with similar properties
- rated viscosity of the liquid	37 mm ² /s
- viscosity range	2.8 do 380 mm ² /s
- required filtration level	40 µm
- rated pressure	32 MPa
- maximum pressure	35 MPa
- maximum flow	depending on working pressure, hydraulic medium and acceptable pressure drops on the valves of operating manifolds
- optimum working temperature (of the liquid in the container)	20 ÷ 60°C
- liquid temperature range	0 ÷ 70°C
Supply voltage	10,2 ...13,8 V DC from a power supply unit with an intrinsically safe output and maximum output current of 2 A
Acceptable output parameters	$U_i = 15.3 \text{ V}$, $I_i = 2 \text{ A}$, $L_i = 0$; $C_i = 0$
Coil resistance	$R = 126 \pm 10$
Rated current of the safety fuse of the coil	250 mA, one-shot fuse
Size	40 × 133,5 × 165 mm
Weight	about 4.0 kg
Casing protection degree	IP 65

- Used as an electrically controlled manifold in RBz 1÷6 intrinsically safe electro-hydraulic blocks.

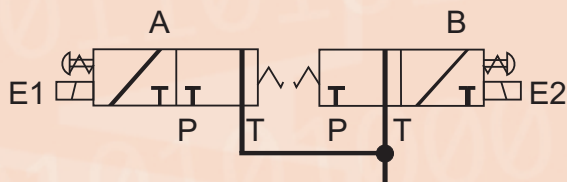


Diagram of hydraulic connections of ZES-40

Anti-explosion structure

Ex I M1 Ex ia I

CE-type examination certificate

FTZU 04 ATEX 0009X

Conformity mark



ORDERS TO: