




CONTROL DEVICES

EH-0/06/05

TECHNICAL DATA

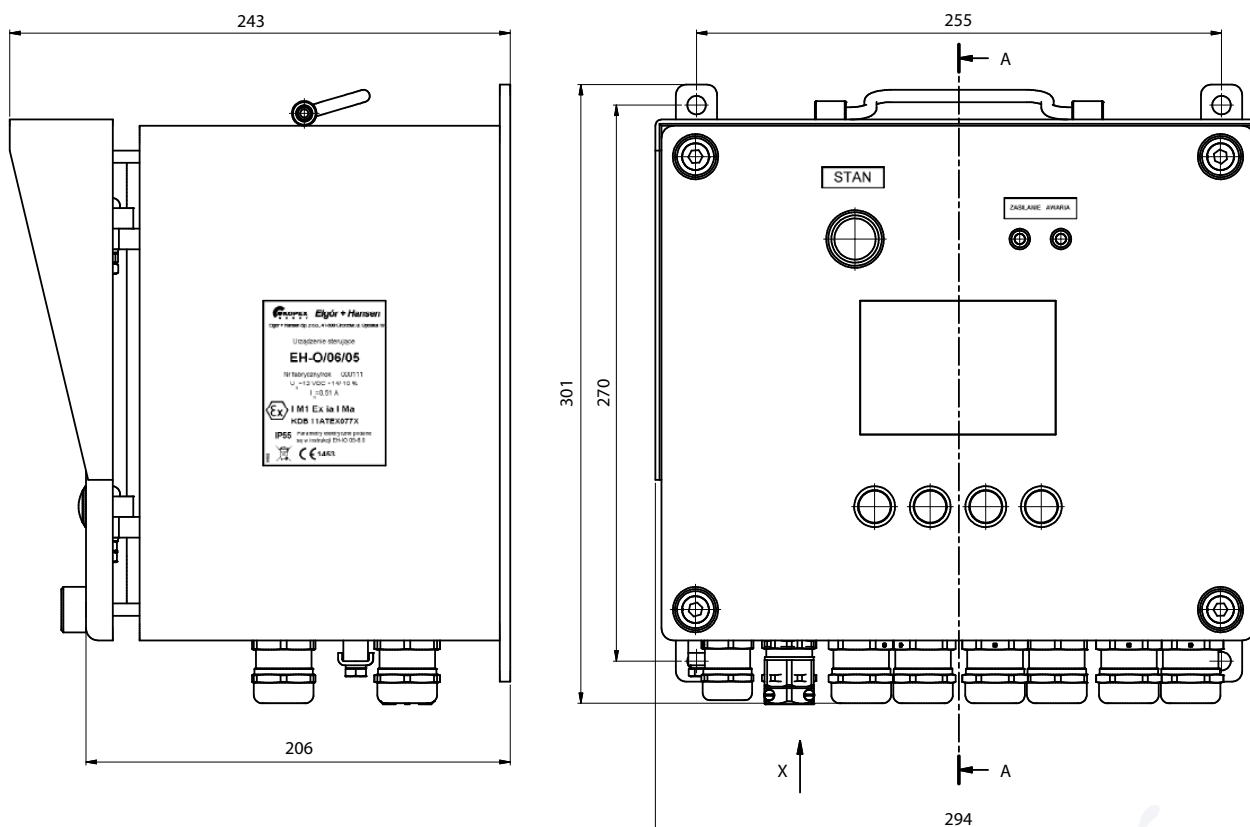
Supply rated voltage	12V DC +14/-10%	
Maximum current consumption (without supplying of external systems)	0,51A	
Maximum current consumption (with supplying of other devices)	1,5A	
Graphic LCD display resolution	240x128	
control button	4 reinforced with IP65	
Signaling LED diodes		
LED diode denotations:	- failure - red LED 0.5mm	3
	- supply - green LED, Ø 5mm	1
	- sdevice working status - tri-colored LED: red, green, yellow Ø 20mm	1
Ambient temperature in the workplace	0°C - 40°C	
Protection grade	IP55	
Air relative humidity at temperature of 40°C	up to 95% without condensation	
External dimensions (width. x length x height)	237 x 294 x 301 mm	
weight	about 10 kg	
Quality assurance	 1453	
equipment		
Serial link CAN	2	
Galvanic (individually) separated serial link RS-485	2	
FLASH micro SD memory	maximally 2 GB	
RTC clock with battery support	Yes	
Non-volatile RAM memory	256 Kb	
Analog inputs configured with micro-switch:		
- voltage measurement 0,5 V - 4,5 V	5	
- Current measurement 0,2 - 1 mA		
- Current measurement 0 - 20 mA or 4 mA - 20 mA		
Passive intrinsically-safe contact outputs	2 (U _i = 30 V, I _i = 2 A)	
Voltage intrinsically-safe outputs for control of electro-valves	4 (U _N = 12 V, I _N = 0,15 A)	
Possible supplying of external devices with the voltage U _N = 12V	YES (see note)	
Device lead terminals through lead glands	8	
- M20 gland (sealing of leads within the 7 + 13mm diameter range)	2	
- M25 gland (sealing of leads within the 9 + 17mm diameter range)	6	
Connection of electric leads inside control device (by user)	through screw terminals	

CHARACTERISTICS

The EH-O/06/05 type control device is suitable for control and monitoring of intrinsically-safe devices working inside underground excavations with the methane or coal-dust explosion hazard. The

device can work inside the methane or coal-dust group I, M1 or M2 category hazard zones, and it's supplied by an external intrinsically-safe power supply with the maximum parameters: $U_o = 13.7V$ & $I_o = 2A$.

DIMENSIONAL DRAWING



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