

Device Description:

Digital Control Device Type CUKS-4 is designed to control industrial processes under the atmosphere of steam, gases and dusts posing a risk of explosion. It is designed both to work independently as well as in a digital network system, then being a part of a larger system. Implementation of the device enables connectivity of loud speaking, signaling and measurement of selected voltages associated with diagnostic system. The integrated battery allows continuous operation in spite of temporary power outages. Its equipment provides the ability to control and drive by two inputs and one output, and tension control of the emergency stop cord. Device is made as intrinsically safe, allowing their use in mining in areas with danger of explosion of methane and / or coal dust.

Technical characteristics:

ATEX certificate number	FTZÚ 09 ATEX 0237
Supply parameters:	
Supply voltage U_N	12,5 ÷ 15 VDC
Maximum supply voltage U_i	15,8 VDC
Supply parameters	$I_i=2,5A$ $C_i=0$, $L_i=0$;
Supply Current I_N	$I_N < 120$ mA (CUKS-4/..W/XY)
	$I_N < 100$ mA (CUKS-4/../XY)
	$I_N < 80$ mA (CUKS-4/..1..)
	$I_N < 80$ mA (CUKS-4/..2..)
	$I_N < 70$ mA (CUKS-4/..0..W)
	$I_N < 50$ mA (CUKS-4/..0..)
	$U_{iMAX} = 14,28V$
Binary input circuits ($I_{N1} \div I_{N2}$)	
voltage inputs	0 ... 10 V
current inputs	4 ... 20 mA
frequency inputs	5 ... 15 Hz
temperature inputs	-30 .. 300°C (PT1000)
Output circuit (OUT)	$U_H = U_N$ (12 ÷ 15 VDC)
	$U_L = 0 \div 0,1$ VDC
	$U_0 = 15,8$ VDC
Device Group	I
Device category	M2/M1
Casing type	Ex ib/ia I
Working temperature range	0°C ÷ 40°C
Casing protection degree	IP65
Width x Height x Depth	459 x 473 x 123 mm
Weight	6 kg

Device series:

CUKS-4/Z1...



309 mm x 153 mm x 134 mm

CUKS-4/Z2...



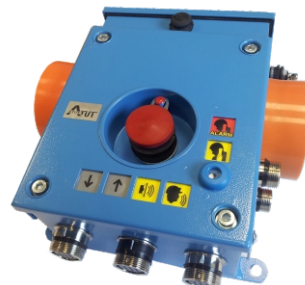
294 mm x 221 mm x 136 mm

CUKS-4/Z1...L



309 mm x 200 mm x 134 mm

CUKS-4/Z2...L



294 mm x 268 mm x 136 mm

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