

(13) **SCHEDULE**

(14) **EC-Type Examination Certificate No. TÜV 08 ATEX 555028**

(15) Description of component

The Sampler Terminal Box is an associated apparatus which comes with a relay switching output.

Electrical data:

Relay switching output..... (contact X10, X8)	Maximum Values
	$U_{MAX} = 200\text{ V}$
	$I_{MAX} = 500\text{ mA}$
	$P_{MAX} = 10\text{ W}$

The specified external reactance L_o and C_o are valid for simultaneous occurrence.
Permissible combinations of the external reactance L_o and C_o have to be taken from the table of the individual, intrinsically safe circuits.

The following input and output circuits must only be connected to certified, intrinsically safe circuits.

Supply circuit..... (pin 5, 6)	in type of protection Intrinsic Safety Ex ib IIB with the following maximum values:
	$U_i = 9.9\text{ V}$
	$I_i = 200\text{ mA}$
	$P_i = 1.2\text{ W}$
	effective internal inductance: negligibly small
	effective internal capacitance: negligibly small

RS422 interface..... (input, pin 1, 2)	in type of protection Intrinsic Safety Ex ib IIB with the following maximum values:
	$U_i = 5\text{ V}$
	$I_i = 15.3\text{ mA}$
	characteristic line: linear
	effective internal inductance: negligibly small
	effective internal capacitance: negligibly small

RS422 interface..... (output, pin 3, 4)	in type of protection Intrinsic Safety Ex ib IIB with the following maximum values:
	$U_o = 5\text{ V}$
	$I_o = 15.3\text{ mA}$
	characteristic line: linear

maximum external inductance L_o	1 mH	0.5 mH	0.1 mH
maximum external capacitance C_o	21 μF	25 μF	42 μF

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(16) Test documents are listed in the test report No. 08 203 555028.

(17) Special conditions for safe use

none

(18) Essential Health and Safety Requirements

no additional ones