



[13] **Schedule**

[14] **EC-TYPE EXAMINATION CERTIFICATE No.**

DEMKO 99 ATEX 127088

[15] Description of Equipment:

The apparatus is a transmitter converting variation of resistance to standard analogue current signals, and is used for level sensors or valve positions. Standard and user defined linearisation are possible as well as 3 wire input connection with cable compensation. By use of a PC and an Ex-certified communication interface, the set-up parameters can be changed
The apparatus has five terminals. Number 1 and 2 for current loop input and supply. Terminal 3, 4, and 6 for transducer input.

[16] Report No.:

127088 Report 99-04391
127088 Report 00-00684

Drawings:

Number	Date	Description
5333-1007	99-10-06	Diagram 5333
5333-1008	00-01-03	Diagram 5333
5343B	99-11-26	Part-list. 2-Wire Programmable Transmitter
5343L	99-11-26	Part-list. Leaded
5343SMD (2 pages)	99-11-26	Part-list. SMD
5343B	00-02-03	Part-list. 2-Wire Programmable Transmitter
5343L	00-02-03	Part-list. Leaded
5343SMD (2 pages)	00-02-03	Part-list. SMD
5333 - 9007	99-10-07	PCB layout (Track 1) 5333 - 9107
5333 - 9007	99-10-07	PCB layout (Track 2) 5333 - 9007
5333 - 9007	99-10-07	PCB layout (Comp. location) 5333 - 3107
5333 - 9007 (2 pages)	99-10-06	PCB layout (production)
5333 - 9008	00-01-03	PCB layout (Track 1) 5333 - 9108
5333 - 9008	00-01-03	PCB layout (Track 2) 5333 - 9008
5333 - 9008	00-01-03	PCB layout (Comp. location) 5333 - 3108
5333 - 9008 (3 pages)	00-01-03	PCB layout (production)
5343-Q101	99-11-26	EEx Technical Description for 5343B
5343-Q102	00-02-02	EEx Technical Description for 5343B
5343-5C01	99-11-26	EEx Test Specifications for 5343B
5343-5C02	00-02-02	EEx Test Specifications for 5343B
5343-S001		Label. Marking of 5343B
5343-Y10X		5343B Manual

This certificate may only be reproduced in its entirety and without any change, schedule included.

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[17] Special conditions for safe use:

- For correct use and installation the manufacturer's manual must be followed.
When programming the Transmitter by PC and communication interface the intrinsically safe data shall be observed.
- The apparatus must be installed in an enclosure with an Ingress Protection of at least IP 20.
- The terminals 1 and 2 of the equipment have to be electrically connected to a barrier placed in the non hazardous area.
- The transmitter may only be used with transducers complying with "Simple Apparatus" according to EN 50020 §5.4.


- Intrinsically safe specifications
Signal Output/Supply. Terminal 1 to 2
 U_i : 28V
 I_i : 120mA
 P_i : 0,84W
 L_i : 10 μ H
 C_i : 1,0nF

- Temperature class and ambient temperature
T4: $-40^{\circ}\text{C} < T_a < 85^{\circ}\text{C}$
T6: $-40^{\circ}\text{C} < T_a < 60^{\circ}\text{C}$

[18] Essential Health and Safety Requirements

Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

For and on behalf of DEMKO


Steen Lumby
Certification Manager



Herlev, 2000-02-29

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