Electric connection diagram: TRANS-FILTER-SCANNER: TFS 32

Z1516231_002_TFS32_GB, subject to change

Valves: Nominal power 24 VDC, 25 Watt. Protective circuit with recovery diodes is not necessary.

The valve wires at terminals 17 to 26, 54 to 67 and 72 to 79 can also be combined outside of the appliance to form a **single** cable that can e.g. be

connected to terminal 17. Example: The connection diagram shows the maximal possible valve outputs. The number of Valve box with common bridge for all of the valves. valve outputs of the ordered unit can differ. Please check the order-index. Terminal 3 to 6: |||Si1 = T1.6A + 24 VDC Cross section and length of wires at 25 W: 240 V: Bridge Relais contact SIGNALRELAY. terminal 7.8.9 0,75 mm² CU = max. 33 m Intern available Function adjustable, see Z1516241 item 2.15 $mm^2 CU = max. 44 m$ 1.5 mm² CU = max. 65 m POWER MOS Si2 = T 0,2 A mm² CU = max. 109 m 2,5 Transistor mm² CU = max. 174 m 4 °C∏ 120 V: Bridge Si2 Terminals at Terminals Si2 = T 0.4 A79 15 16 17 18 19 20 2 3 5 7 8 21 58 59 50 61 62 63 65 6667 72 76 1 4 6 9 7317 the bottom at the bottom s Т The mains fuse Si2 s Μ Т must be set according F Α Α to the mains voltage. R R L Si2 = T0,2A at 230V т т D Si2 = T0,4A at 115V 1 3 Ň ₹ Е þ 110 - 120 / Fuses of both types are R A 230 - 240 V content of the delivery. Е Mains voltage must be 50 - 60 Hz Г switched off before А 5 6 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 No.:Valve 7 changing the fuse! 32 33 34 35 36 37 38 39 40 41 Terminals at 42 43 44 45 46 47 48 49 50 51 52 53 68 69 70 71 80 81 82 83 84 85 86 87 External connection: S the top 24VDC Unit intern: Q 0 Q Q Ò **POWER MOS Transistors** Terminal 32 and 33: Active output, only suited to drive 24VDC terminal 15 and 16. Must not be used for other purposes. Do not feed in voltage!

START1 - contact (external) closed: Cleaning with IMPULSE 1 and INTERVAL 1 **START3 - contact (external) closed:** Cleaning with IMPULSE 3 and INTERVAL 3

As an alternative to the function START a PLC system (+24VDC, 10mA) can be used. The negative terminal (-24 VDC) of the PLC system must then be connected to terminal 33 (-24V).

Please notice that a measurement with an external instrument at the screw-head-terminals can only be carried out correctly if the screws are completely tightened. Otherwise the contact will not be sufficient and the display will not show the correct data.

Mounting:

The rear panel of the housing is to be mounted vertically. When installed outside, the FILTER-SCANNER requires a roof as a protection against weather and sun influences. Direct sunshine can cause an extreme rise of the temperature inside of the appliance and thus interferences. Apart from that, the SCANNER mustn't be exposed to vibrations. A direct mounting at filter cases is not allowed, since they are exposed to shocks during the filter cleaning. As a consequence serious damages of the SCANNER can be caused.

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