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

Z1516232_002_TFS32_GB, subject to change

The connection diagram shows the maximal possible valve outputs. The number of valve outputs of the ordered unit can differ. Please check the order-index.

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

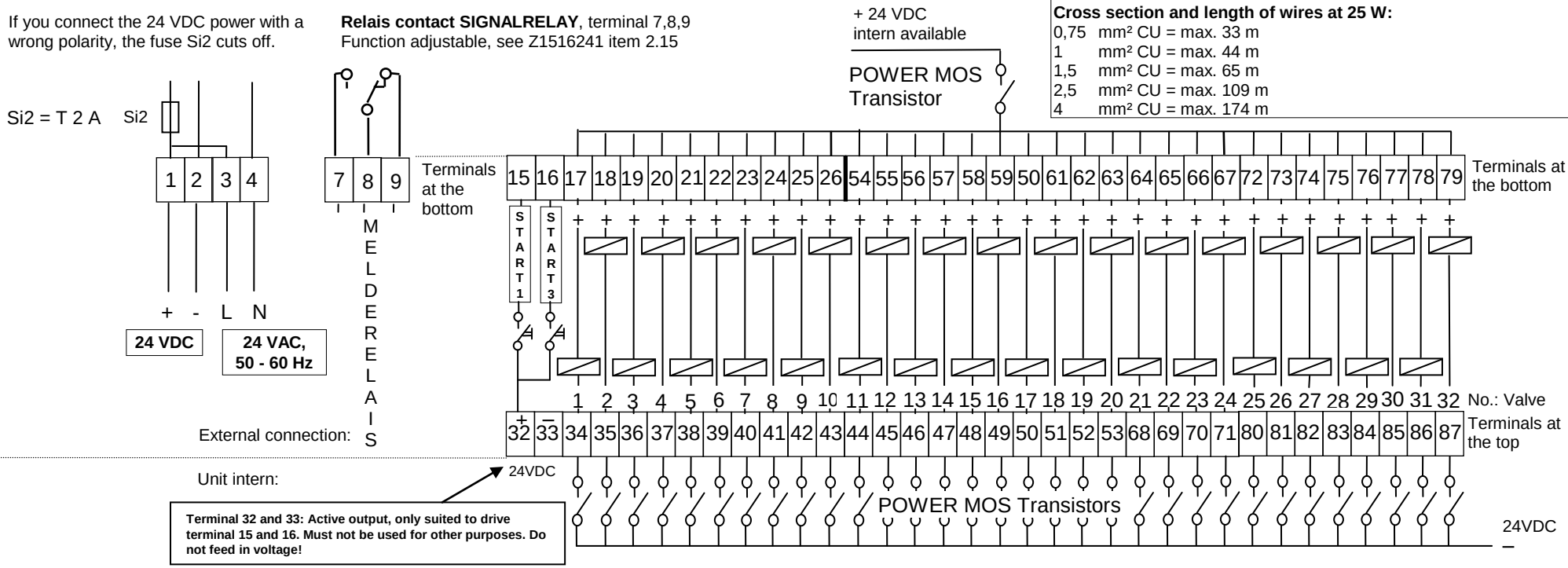
The valve wires at terminals 17 to 26, 54 to 67 and 72 to 79 can also be combined outside of the appliance to form a **single** cable that can e.g. be connected to terminal 17.
Example:
Valve box with common bridge for all of the valves.

Cross section and length of wires at 25 W:

0,75	mm² CU	= max. 33 m
1	mm² CU	= max. 44 m
1,5	mm² CU	= max. 65 m
2,5	mm² CU	= max. 109 m
4	mm² CU	= max. 174 m

If you connect the 24 VDC power with a wrong polarity, the fuse Si2 cuts off.

Relais contact SIGNALRELAY, terminal 7,8,9
Function adjustable, see Z1516241 item 2.15



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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