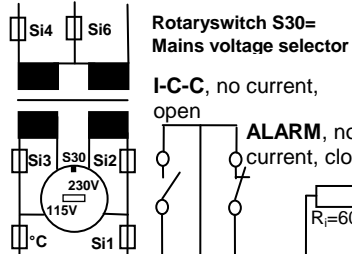


Connection diagram: Δ p-CONTROL-FILTER-SCANNER: DFS* -73- Main Power: 240 V-AC

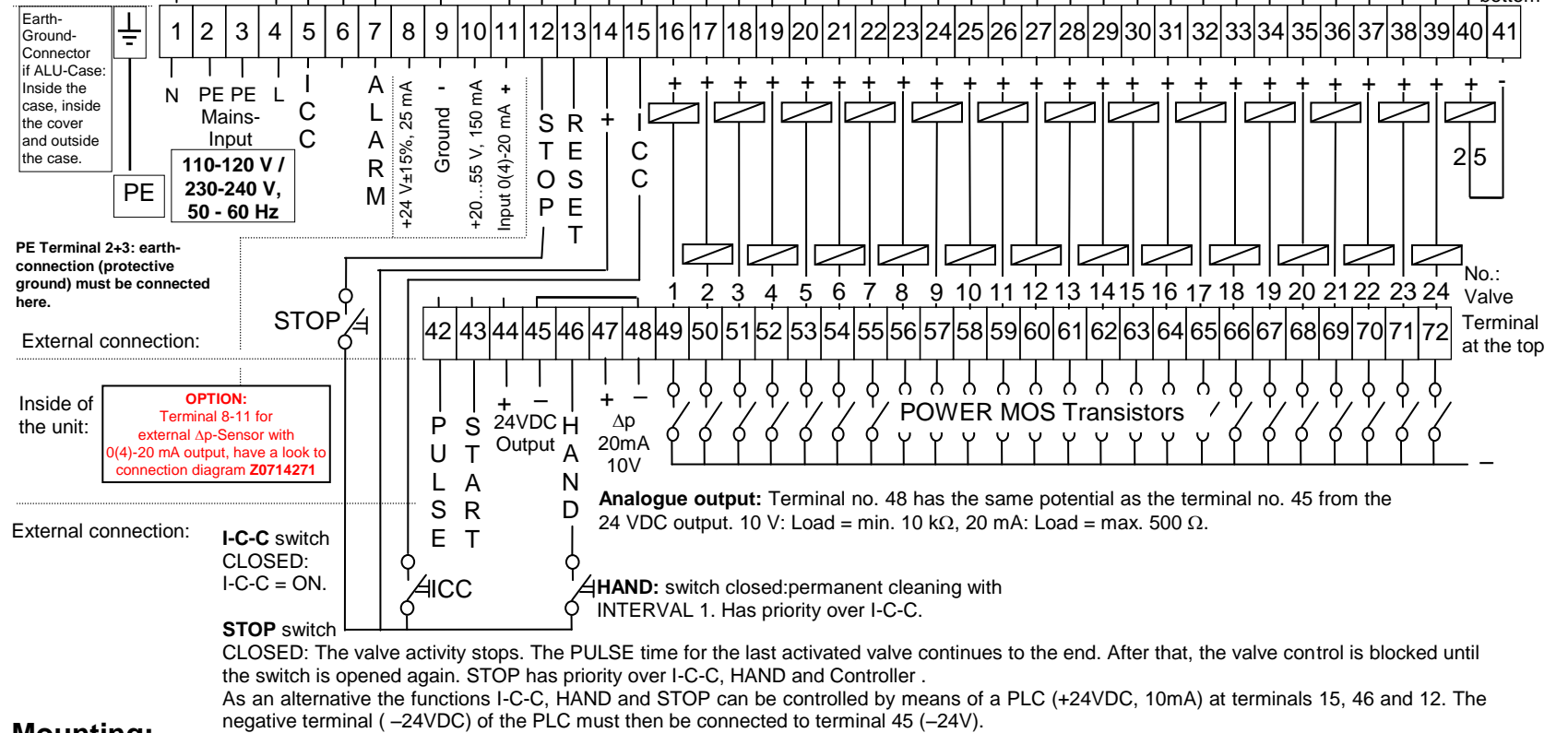
Z0714231_008_DFS73_GB, subject to change, valid as of device number ≥ 10108454

Fuse, resettable, not exchangeable: Si6=T500mA
 Fuse, exchangeable: Si1=T2A, Si2=T315mA, Si3=T315mA, Si4=T2,5A
 Inside of the unit:



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.

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.



PE Terminal 2+3: earth-connection (protective ground) must be connected here.

External connection:

Inside of the unit: **OPTION:** Terminal 8-11 for external Δ p-Sensor with 0(4)-20 mA output, have a look to connection diagram Z0714271

External connection:

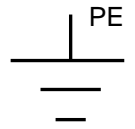
I-C-C switch CLOSED: I-C-C = ON.
 STOP switch CLOSED: The valve activity stops. The PULSE time for the last activated valve continues to the end. After that, the valve control is blocked until the switch is opened again. STOP has priority over I-C-C, HAND and Controller.

As an alternative the functions I-C-C, HAND and STOP can be controlled by means of a PLC (+24VDC, 10mA) at terminals 15, 46 and 12. The negative terminal (-24VDC) of the PLC must then be connected to terminal 45 (-24V).

Mounting:

Case AB: Borings in the case: D = 4,2 mm, 129 x 238 mm H x W. Case PG: Borings in the case: D = 7 mm, 164 x 254 mm H x W. Case AL2, AL21, AL22: Borings in the case: D = 6 mm, 110 x 340 mm H x W. Cases AL2, AL21 and AL 22 have inside, inside the cover and outside the case ground connectors (screws). The outside ground connector is to introduce the SCANNER into a potential equalization. The back panel of the housing should be mounted vertically. When installed outside, the SCANNER requires a roof as a protection against weather and sun influences. Direct sunshine can cause an extreme rise of the temperature inside the unit and thus interferences. The FILTER-SCANNER must not be installed at vibrating walls of the filter facility. Apart from that, the SCANNER must not be applied to vibrations in general. Permanent vibration shocks can cause serious damage of the FILTER-SCANNER

93	94	95	96	97
88	89	90	91	92
83	84	85	86	87
78	79	80	81	82
73	74	75	76	77



Only for units according to ATEX: Earthground terminals (73-97) for the valves, not for grounding the unit. The unit must be grounded by using the Earthground connector inside the case or terminal 2 or 3.

Relay contact I-C-C:
 Closed during Intensive Cleaning Cycle.

Relay contact ALARM:
 Closed if:
 • the current is missing
 • < set point S3 ALARM U
 • > set point S4 ALARM O
 • valves are shorted-out
 • valve passage is interrupted/blocked
 • compressed air pulses are lacking

Valves:
 Nominal power: 24VDC, 46 W,
 Protective circuit with recovery diodes is not necessary.

Wires:
 0.75 mm² CU = max. 20 m
 1 mm² CU = max. 30 m
 1.5 mm² CU = max. 50 m
 2.5 mm² CU = max. 80 m

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