



Troubleshooting Manual for

Electronic expansion valve

DHP-R
DHP-S

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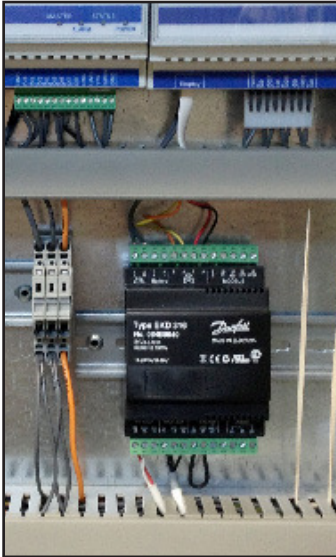
The English language is used for the original instructions.
Other languages are a translation of the original instructions.
(Directive 2006/42/EC)

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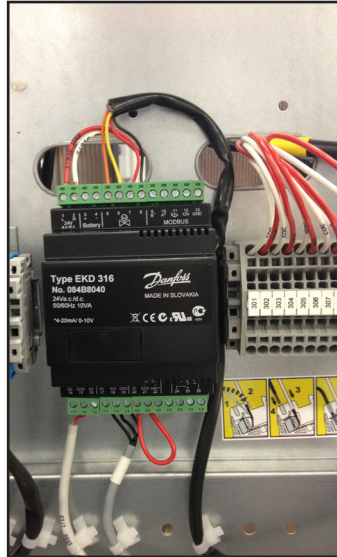
EKD.....	4
Suction gas sensor.....	4
Coil.....	5
Pressure transmitter.....	5
Jumper.....	6
Technical service.....	6
Wiring diagram.....	7

- 1 Examine if the EKD is energized. It should be connected to terminals 1 and 2, between 1 and 2 should be 24VAC. (see wiring diagram)

DHP-R



DHP-S



- 2 Examine if the suction gas sensor is mounted to the suction line, and connected to terminals 14 and 15. (The sensor is a PT 1000 sensor, examine the resistance value, see ohm-table.) (see wiring diagram)



Resistance table

Temperature	Ohm
-40	842,7
-35	862,5
-30	882,2
-25	901,9
-20	921,6
-15	941,2
-10	960,8
-5	980,4
0	1000,0
5	1019,5
10	1039,0
15	1058,5
20	1077,9
25	1097,3
30	1116,7
35	1136,1
40	1155,4
45	1174,7
50	1194,0
55	1213,2
60	1232,4
65	1251,6
70	1270,7
75	1289,9
80	1309,0
85	1328,0
90	1347,1
95	1366,1
100	1385,1

- 3 Examine if the cables to the coil is connected to terminal: (see wiring diagram)
 5: Orange wire
 6: Yellow wire
 7: Red wire
 8: Black wire

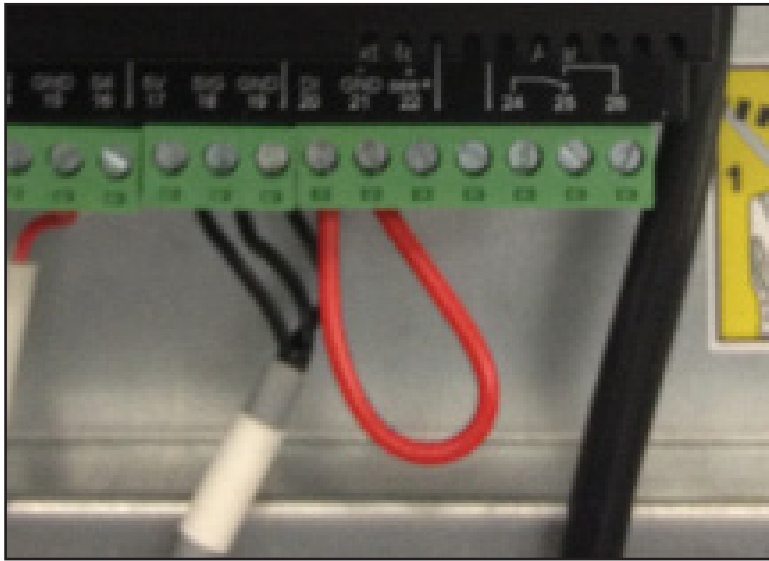


- 4 Examine cables for pressure transmitter (P in the wiring diagram):
 Brown cable to terminal 19
 Grey cable to terminal 18
 Black cable to terminal 17
 The voltage between 17 and 19 should be 5V. (see wiring diagram)



5

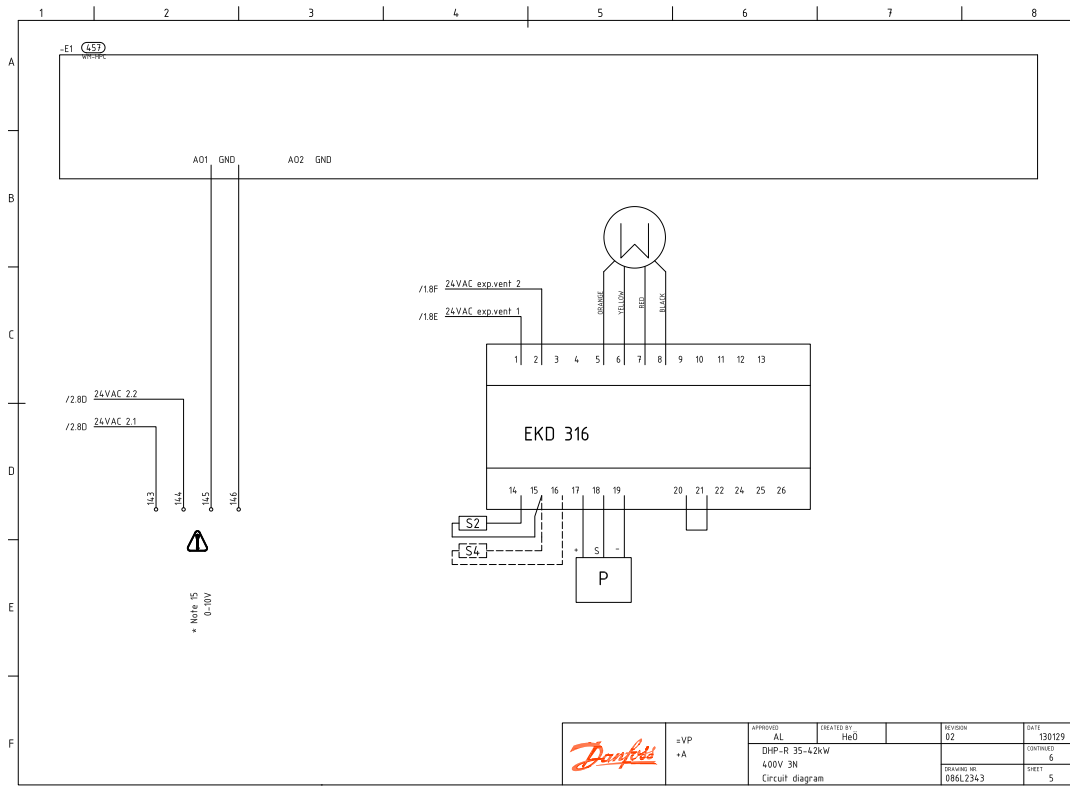
Make sure there is a jumper between terminals 20-21. (see wiring diagram)



6

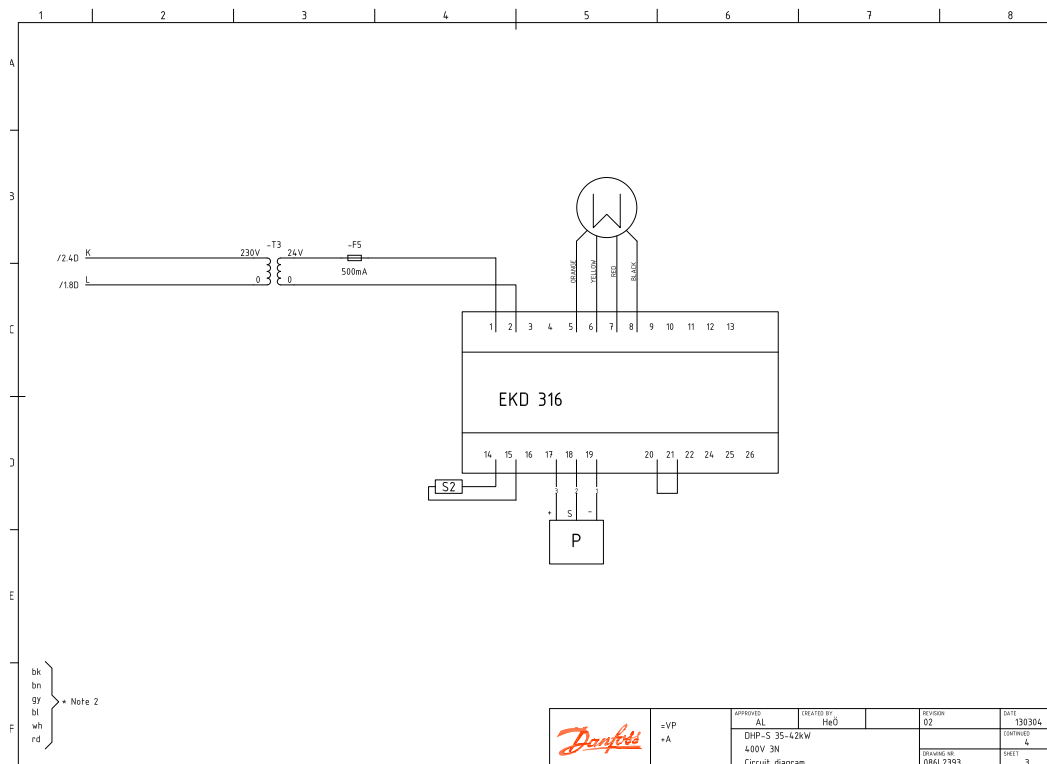
When all these points are examined, possibly corrected and it still does not work, then we suggest that you contact **technical service** for further advice.

Wiring diagrams DHP-R and DHP-S:



Wiring Diagram

DHP-R



Wiring Diagram

DHP-S, 400V 3N



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