



Danfoss A/S

DK-6430 Nordborg
Denmark
CVR no.: 20 16 57 15

Telephone: +45 7488 2222
Fax: +45 7449 0949

Declaration of Compatibility

Danfoss A/S

Refrigeration and Air-conditioning Controls

Danfoss confirms that the ETS Colibri®, types ETS 12C, ETS 24C, ETS 25C, ETS 50C, and ETS 100C, (SKUs 034G7500 – 034G7999) are compliant with the Siemens POL94E/U.00/XXX, POL98E/U.00/XXX, POL96E/U.00/XXX, POL698.XX/XXX and POL69U.XX/XXX. Complete feature-set is available from VVS11.42 on.

All the following settings and setup must be fulfilled:

	POL94	POL96/98*	POL698 / POL69U / POL69E	
Revision / BSP	≥ C / ≥ 9.12	≥ D / ≥ 10.38	-	
Driver Channel	-	-	SMc (T16)	SMv (T7)
CurrentSetpoint [mA]	720	600	600	-
Speed [Steps/s]	240	240	240	-
Traversepath [Steps]	600	600	600	-
OverdriveOpen [Steps]	0	0	0	-
OverdriveClose [Steps]**	6	6	6	-
DelayDirection [ms]	200	200	200	-
HoldCurrentSetpoint [mA]	0	0	0	-
DeadTimeSync [Min.]	60	60	60	-
StepMode	-	-	Full Step Mode	-
Acceleration [1/s ²]	0	0	-	-
Alternate current enabled	-	Yes	-	-
PWM Decay Disabled (Slow)	-	Yes	-	-
Delay Direction Enabled	-	Yes	-	-

* POL96 and POL98 ARE RECOMMENDED ONLY FOR EVAPORATION TEMP. >-20°C

** For valve calibration from unknown opening state, 628 steps towards closed position is recommended.

Deviations from the above recommended configuration may lead to unstable control. Please contact Danfoss for alignment and advice on specific application needs.

Maximum cable length, using Danfoss 034G7073 or 034G7074 M12 cables with twisted pairs and 20 AWG cross section: 8m.

If a longer cable length is used, a commutation inductor such as Danfoss AKA 211 should be used. Very long cable lengths or noisy EMC environments might degrade the driver performance. Results with cables other than original cables provided by Danfoss cannot be guaranteed.

All operational parameters, such as supply voltage to the POL94/96/98/698/69U, must be followed according to the documentation provided by Siemens for POL94/96/98/698/69U.

Eng. Director

Danfoss only vouches for the correctness of the English version of this declaration. In the event of the declaration being translated into any other language, the translator concerned shall be liable for the correctness of the translation