



Standing o-versions: LSC/HSC

Introducing the latest addition to the Qone family by AUTRONIC: Qone LSC and Qone HSC. 100 new DC-DC converters with 160 Watt output power for PCB mounting! Several super-flat LSC converters next to each other enable greater performance or multiple outputs (e.g. 3.3V/5V/±12V) in the smallest of spaces. This means that power supply systems for VMEbus and CompactPCI are possible.

The default input voltage ranges are 6 to 18 V, 14 to 36 V, 9 to 40 V, 32 to 80 V and 64 to 160 V. The converters are available as standard models with an output voltage of 3.3 V, 5 V, 12 V, 15 V and 24 V. The user can choose between the low-profile LSC (11mm height) and the high-profile HSC (35mm height). In addition to the familiar AUTRONIC standards, such as short-circuit protection, overvoltage protection, overtemperature shutdown, zero load operation, remote off (EA) etc. further standard features have been included in the converters. The user can choose from two standard versions:

1. The Basic Version offers

Voltage Control (VC)

The output voltage can be set -30%/+10% (active and passive).



Thermal Warning (TW)

The converter shuts off if the internal temperature is +105°C. Before this threshold is reached, the TW signal is issued at +100°C. Thermal Warning makes it possible, in combination with a power management system, to switch on additional fans or switch off loads.

Synchronization (Sy) – parallel operation

The connection of the synchronization pins ensures simultaneous activation of parallel connected converters.

2. The Comfort Version offers:

Voltage in Fail (ViF)

When the input voltage falls below $V_{in\ min}$, a potential-free signal is emitted.

Voltage out Fail (VoF)

When the output voltage exceeds $V_{out\ nom}$ by $\pm 5\%$, a potential-free signal is emitted.

The combination of EA, ViF and VoF means it is possible to combine the advantages of a decentral power supply system with a central power management system.

Sense (S)

Is standard with the 3.3, 5, 12, 15V modules.

The new compact design enables a variety of construction possibilities. The modules can be screwed on at the required position with a mounting bracket set or flange-mounted with a mounting plate with cage-clamp connectors.



The LSC/HSC converters are CE marked and UL certified (UL investigation in progress – tests already successfully completed).

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AUTRONIC
Steuer- und Regeltechnik GmbH & Co.KG
74338 Sachsenheim
Germany
www.autronic.de