

Press information 13/2011

Even more Power with ServoOne

LTI HAS NOW more than doubled the power range of its ServoOne product family. The existing range of servocontrollers from 2 to 210 A has been extended up to 450 A. The new BG7 series is available with rated currents of 250 A, 325 A and 450 A and an over-load factor of 170%. The units' liquid cooling means they are highly compact, measuring just 380 x 900 x 300 mm.

A distinctive feature of the liquid-cooled model is that the power loss from the drive controllers is discharged directly out of the cabinet. This cuts operating costs, thanks to the lower power consumption, when the different recooling devices – the cabinet's climate control system and the water recoler – are included in the comparison. Protection against overheating due to malfunctions in the fluid circuit is provided by a fluid separation sensor integrated into the servocontroller. It monitors the gradient of the cooler temperature and disables the power stage in the event of any sudden change.

Regenerative energy can be discharged in a shared DC network with DC link connected servocontrollers or by means of integrated braking resistors. The resistor mounting directly on the ServoOne's liquid cooler increases continuous braking power by as much as 5 kW.

In functional terms the BG7 – like the other ServoOne drive controllers – features all the latest technologies. Various Ethernet-based field buses, including EtherCAT and SERCOS III, enable trouble-free integration into the motion process. Motion profiles – to international standards of course – can be generated in a master control system or also directly in the drive. In addition, users can create special motion profiles such as an electronic cam plate or control functions with the integrated, IEC 61131 programmable sequence control iPLC.

The integrated STO (Safe Torque Off) function, certified as SIL3 according to EN 62061 or PL e to EN ISO 13849, permits fast, low-cost shutdown and restart of the power stage in safety-related applications. This eliminates the need for cost-intensive external switching elements to implement the safety functionality.



LTi DRIVES GmbH

Gewerbestr. 5-9
35633 Lahnau
Tel.: +49 (0) 6441 966-0
Mail: info@lt-i.com
www.lt-i.com

Heinrich-Hertz-Str. 18
59423 Unna
Tel.: +49 (0) 2303 779-0
Mail: info@lt-i.com
www.lt-i.com

Contact: Ingrid Becker · Tel: 06441 966-151 · Mail: ingrid.becker@lt-i.com