

Driver board with over-boost HVEVSSR

Written by emmeci

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The HVEVSSR board is designed to resolve a number of problems bound to the reaction speed of electrohydraulic actuators. The HVEVSSR board is used to drastically reduce the reaction time (activation) of the actuators connected to it.

Unlike other systems, the HVEVSSR board offers many advantages:

It is easy to install on new and existent systems:

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- The HVEVSSR board is installed along the cables that connect the actuator to the control system (PLC, cam-controller etc.) without any precautions in particular.
- All it needs to be able to work is a power supply voltage of 24Vdc, thanks to the built-in converter that generates the over-boost voltage.
- It can be interfaced with control systems in PNP logic or in NPN logic.

It safeguards the actuators: the over-boost pulse has a duration of just a few milliseconds, consequently there is no overheating of the coils controlled, which could causes damages, typical in systems in which the actuators are powered at voltages higher than the nominal voltage.

TECHNICAL SPECIFICATIONS

DIMENSIONS (length x width x height) mm	
36 x 72 x 52	
FIXTURE	DIN guide
CONNECTIONS	Extractable screw-on terminals for cable Ø max.1,5mm
POWER SUPPLY	22-28Vcc
NUMBER OF CHANNELS AVAILABLE	2
PILOT VOLTAGE	18-30 Vcc (NPN or PNP command) with input resistance 1Kohm
MAX OUTPUT CURRENT FOR EACH CHANNEL	
1A	
MAX OUTPUT POWER FOR EACH CHANNEL	
20W	
TYPE OF OUTPUTS	
PNP logic with built-in transient suppressor	

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DC-DC CONVERTER OUTPUT

>80%

Related arguments:

- [Programmable driver with over-boost NEPTUNE6](#)