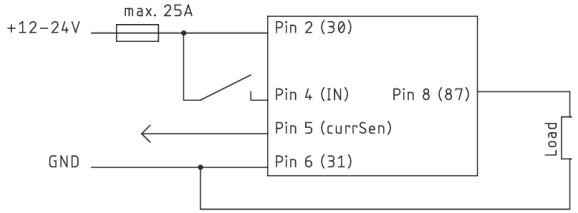
Solid state relay

This solid state relay is made to replace standard ISO relays. It is wear and tear free and switch much more faster than mechanical relays. So it is possible to drive it with an PWM input signal.

Overview



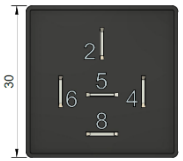
Block function diagram



Technical Data

Nominal voltage	12V - 24V
Voltage range	9 – 30V
Quiescent current	<1mA
Operating temp.	-40 - +80 °C
EMC	xxx
Weight	~25g
Reverse battery prot.	Yes
LxBxH o. Kontakte	30x30x30mm
Turn on time max.	135µs
Turn off time max.	115µs
Peak current	25A @20C°
Continous current	20A @20C°
Current sense out	tbd
Input high level	Min 4,2V
Input low level	Max. 1,8V







Material

Contacts	A6,3 x 0,8 CuZn 37 F37
Housing	PA6 GF

Create:	BB	Date:	09.01.2026
Check:		Version:	V2

Solid state relay	U1-A84-000 (without current sense) U2-A85-000 (with current sense)

CVEP GmbH – Gewerbegebiet Ost 35 – 92353 Postbauer-Heng / Phone: +49-9188-30582-33 email: info@cvep.de Web: www.cvep.de