



GSCB6-C

RS485 & CANBUS communication interface board.

Full galvanic insulation
Protection against communication channel shorts
Compact dimensions
Plastic case with transparent cover
High reliability connectors

The GSCB6-C communication board extends the capabilities of the GSCB6 SCR Firing Board by providing the following functions:

- Connection to the RS422/RS485 balanced transmission lines as specified by the following ANSI Standards TIA/EIA-422-B and TIA/EIA-485-A.
- Connection to the CAN (Controller Area Network) as specified by the ISO 11898 Standard.
- Galvanic isolation is provided between the transmission lines and SCR Firing Board by using optocouplers.

Additional features:

- CAN Bus connection
- Onboard 120 Ω termination is provided which can be enabled/disabled with a jumper.

RS422/RS485

- On board 120 Ω termination is provided which can be enabled/disabled with a jumper;
- Failsafe protection for open/short line conditions.

MAXIMUM RATINGS

Parameter	Description	Conditions	Value
$V_{AC(RMS)}$	Maximum RMS mains voltage		400 V
$V_{INS(RMS)}$	Insulation voltage between mains and control sections	Sine waveform T = 1min	2500 V
T_A	Operating temperature		-10 to 55 °C
T_S	Storage temperature		-65 to 65 °C

ELECTRICAL CHARACTERISTICS

Parameter	Description	Conditions	Value
PS	Power supply		230 V_{AC}
P_{SUP}	Power consumption		5 W

MECHANICAL CHARACTERISTICS

Parameter	Description	Conditions	Value
W	Width		95 mm
D	Depth		100 mm
H	Height		125 mm
M	Mass		300 g

