

Data sheet

IMB - co8

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The IMBus module *IMB-co8* serves to switch voltages on controlling tasks. Eight corresponding actuator outputs are made available at the module's two connecting strips. Each output has its own status indicator.

The IMBus-Module *IMB-co8* comes with eight Power-FET outputs. All outputs feature galvanic separation via opto-electronic couplers. The outputs are designed as High-Side-Switches and are suitable for medium switching capacity. Furthermore the outputs are short-circuit-proof and reverse-polarity-protected. They also feature internal overload protection and are suitable for switching inductive loads without external recovery diodes. The connections are made by plug-able terminal strips. The module's width is 75 mm. The module can optionally be mounted to a rail mount (NS35/7,5 EN60715).



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Illustration with connector

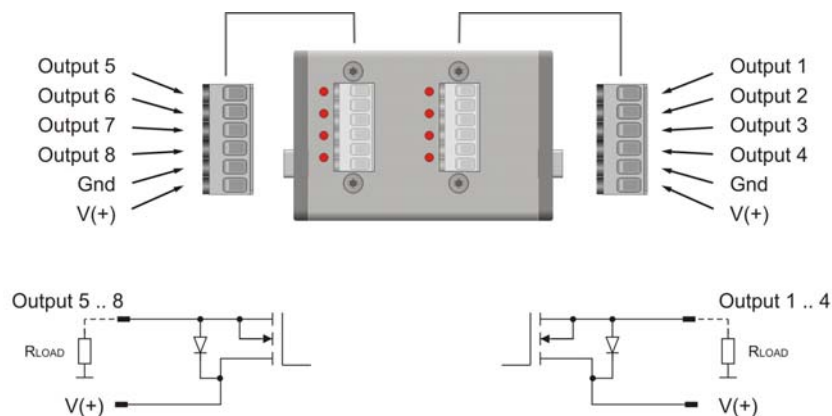
Technical data

Electrical characteristics

Isolation voltage	2000 V
Allowed voltage range (V+)	12 V to 32 V DC
Maximum allowed output current	1 A (continuous current for each output)
On-state resistance R_{ON} (V+ to output 1...8)	200 m Ω
Output current limitation (output 1...8)	4 A
Maximum allowed inductive load	66 mH for each output
IMBus current consumption	< 40 mA

Typical values at an ambient temperature of 25°C

Wiring diagram



!!! Note : Basically, use shielded connection cables only in order to connect input / output devices to the module. Doing so, the cables shielding shall be connected to the „Gnd“ terminal of the IMBus - module only. Connect the shielding at this end of the cable only !