

- Complete control of double wing service doors on 12V vehicles
- Software-configurable for swing or sliding doors
- Software-configurable for controlling additional door-lock motors or solenoids
- Hardware-configurable for single wing doors
- Software and hardware configurable inputs according to vehicle wiring
- Real time motor current monitoring – Over-current, over-temperature and over-voltage protection
- Soft-start and soft-stop functions with PWM
- Vehicle speed monitoring according to ECE R107
- ECE R10 and ISO 16750 certifications pending



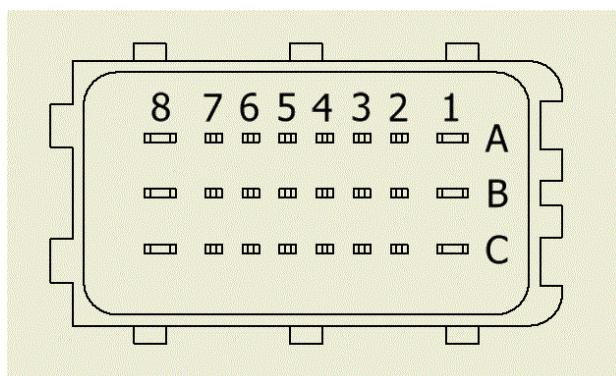
Absolute Maximum Ratings

	Minimum	Unit
Voltage	30	V
Motor Current	15	A
Output Current	1	A
Operating Temperature	-40 to +125	°C

Operation Conditions

	Minimum	Typical	Maximum	Unit
Voltage	8,5	-	15	V
Motor Current <i>(Software configurable auto-shutdown)</i>	-	-	10	A
Positive Input Current	100	-	800	μA
Negative Input Current	-	-	-500	μA
Quiescent Current	-	-	10	mA

Connector Pin Description



A1	H-Bridge output A – Rear Wing
A2	NC
A3	NC
A4	“Door Closed” Input – Front Wing – Active Low
A5	“Door Open” Input – Front Wing – Active Low
A6	Emergency Input – Active Low
A7	“Door Open” Input – Rear Wing – Active Low
A8	H-Bridge output A – Front Wing
B1	H-Bridge output B – Rear Wing
B2	Passenger Stop Request Input – Active Low
B3	Configurable Input – Active High
B4	Door Open/Close Pushbutton Input – Active High
B5	Ignition Key Input – Active High
B6	Handbrake Input – Active Low
B7	“Door Closed” Input – Rear Wing – Active Low
B8	H-Bridge output B – Front Wing
C1	Battery (-)
C2	“Step Open” Input – Active High
C3	Reserved – Do Not Connect
C4	Reserved – Do Not Connect
C5	Vehicle Speed Input
C6	Stop Request Indicator Light Output – High during passenger stop request
C7	“Door Open” Indicator Light Output – High if door open
C8	Battery (+)

