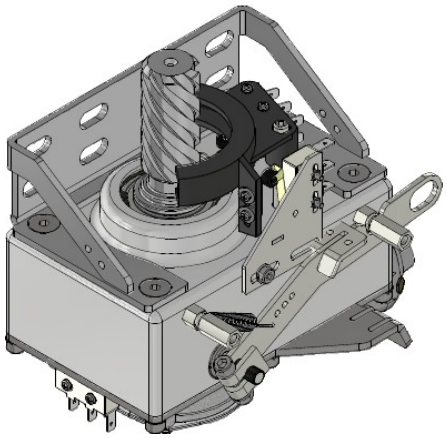
12 V ROTARY / LIFT DOOR MECHANISM

Electric door actuator mechanism for single-leaf outward-opening vehicle doors. Available in emergency-blocked and non-blocked versions.



Operating voltage
12 VDC
Controller current protection threshold
18.5 A
Output type
Rotary + lift
Architecture
Emergency-blocked / non-blocked versions
Emergency type
Mechanical emergency release

MOTOR AND ELECTRICAL DATA

PARAMETER	VALUE
Operating voltage	12 VDC
Motor no-load speed	80 rpm +/-10%
Motor no-load current	< 2.5 A
Controller current protection threshold	18.5 A
Motor blocked current	< 20 A
Motor blocked torque	> 9 N·m
Noise	< 65 dB
Motor temperature rise	< 70 °C

TRANSMISSION AND CALCULATED MECHANISM PERFORMANCE

PARAMETER	VALUE
Mechanism no-load speed @ 12 VDC	approx. 6.4 rpm
Theoretical blocked output torque	> 112.5 N·m
Helical output shaft lead	108 mm / revolution
Output rotation for 15 mm lift	approx. 50 deg

MECHANICAL CONSTRUCTION

PARAMETER	VALUE
Overall envelope	approx. 219.3 x 142.2 x 208.2 mm
Emergency operation	Mechanical cable release
Application	Single-leaf outward-opening door

ENGINEERING NOTE: The controller interrupts motor drive at 18.5 A in the 12 V system.