ERS VAR 07 for the Elevator Market



Elevator Applications

Gearless Motors

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ELECTRICALLY RELEASED BRAKE FOR ELEVATORS

Electrically Released Safety Brake

The ERS VAR 07, an electrically released safety brake that operates in static and emergency stops, is designed to offer a double braking system in a very compact dimension. The VAR 07 is particularly suitable for gearless motors with limited space

- Redundant system in accordance with EN 81-20/50
- Complies with Directive 2014/33/EU
- Extremely compact, round design
- Compact design with torque from 300Nm up to 900Nm
- Optional hand-release, mountable by customer
- Available with optional dustcover
- 1 shell / 2 independent braking circuits / 1 disc
- Low noise operation through the life of the brake
- Very easy installation
- Micro switch equipped
- Nearly maintenance free (further information in our service manual)
- Overexcitation (dual voltage) or single voltage

Customer drawing available on request

ERS VAR 07



*SZ300 (15°/75°/82.5°/15°/82.5°/75°) *SZ500 (15°/57°/100.5°/15°/64.5°/93°)



Voltage (VDC)

With Overexcitation		Without Overexcitation	
Holding Voltage	Overexcitation Voltage	Single Voltage	
24	48	24	
52	103.5	103.5	
103.5	207	207	
ED=50%			

Size 300 420 600 800 Standard Torque Nm 2x315 2x350 2x350 2x450 2x500 2x600 2x800 2x900 Cert. Max Speed RPM 600 300 600 300 600 300 500 300 273 254 303 315 А mm В 79 86 95 101 mm D Standard H7 mm Е mm Can vary depending on customer specifications Μ mm F 275 236 255 288 mm G mm 65 65 65 65 Н mm 9.4 9.4 11.6 13.1 32.5 J 34 25 30 mm Κ 6xM10 6xM8 6xM8 6xM12 -L Nominal 0.4 mm 0.4 0.4 0.4 210 233 258 Т mm 243 U 175 190 200 200 mm Hand- Release OPTION -Weight Kg 25 32 42 54 Inertia kgcm Connection -On Request

W134 for the Elevator Market



Elevator Applications

- Gearless Motors
- Gear Motors

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FRICTION MATERIAL FOR ELEVATORS

Advanced Friction Material Technology

The Warner Electric engineering team drew on its extensive brake technology knowledge, combined with vast elevator application experience, to develop the new W134 friction material.

The addition to the Warner Electric friction material family is designed to maintain consistent torque during both static braking and dynamic braking over a large range of rotation speeds with no torque overshoot at braking engagement. Consistent torque stability is also maintained in extreme temperatures and other challenging environmental conditions.

The W134 friction material is suitable for use in all elevator technologies, including belt-driven systems where torque stability is a critical concern.

The friction material was put through a rigorous battery of in-house testing to ensure that it's best-in-class performance is well-suited for a wide range of electrified powertrain applications.

	Current Lining	Friction W134
Energy per disc	57 kJ max	190 kJ
Max speed	900 rpm	1300 rpm
Max torque < 160%	100% adjusted brake	No adjustment
Holding torque	-10% / -15%	None
Climate	10% impact	None
Day + 1	Stability Recheck Warner	None

W134

- Superior torque stability during both static braking and dynamic braking
- Torque stability is maintained in extreme temperatures and other challenging environmental conditions
- Suitable for all elevator technologies, including belt-driven systems where torque stability is critical
- 100% organic-based, non-metallic add-ons
- Excellent energy dissipation



