

ERS VAR 14 for the Elevator Market



Elevator Applications

- Modernization

ELECTRICALLY RELEASED BRAKE FOR ELEVATORS

Sheave-Grip Modular Braking System

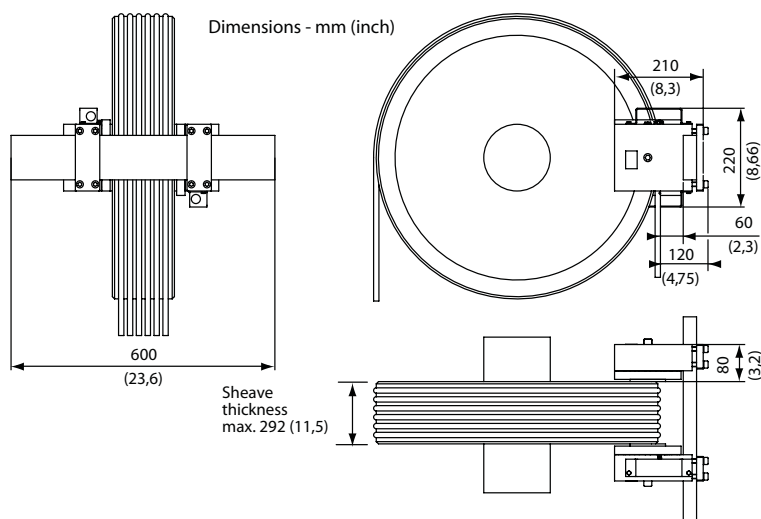
The VAR 14 electrically released brake is designed for modernization of gear motors and operates in static and emergency stops. It has been designed to prevent ascending car overspeed and unintended movement and complies with Section 2.19 ASME A.17.1 and EN81-20&50.

- Complies with Directive 2014/33/EU
- High modular braking system
- Standard braking force up to 6000 N
- Torque according to your sheave diameter
- Acting directly on traction sheave
- Basic configuration: 2 magnets
- Easy to install
- Microswitch equipped
- Nearly maintenance free (further information in our service manual)
- Overexcitation (dual voltage)

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WARNER ELECTRIC™
A REGAL REXNORD BRAND

ERS VAR 14



2 Magnets Silent

Model	ERS VAR 14-01-S			2 Magnets			
				ERS VAR 14-01			
Part Number	1 12 106842	1 12 106843	1 12 106844	1 12 106847	1 12 106848	1 12 106849	1 12 106850
106850							
Braking Force (magnet A&B)	5000 N	4000 N	3000 N	6000 N	5200 N	4300 N	3500 N

OPTION: Electric connection on the CBC140-5 power supply / Serial connection of the 2 magnets – Part # 2 12 095515

Nominal voltage	+5%/- 10%	230 VAC	Dependant on Application
Nominal current	(holding)	2,2 A	
Overexcitation	(1,5 s)	4,4 A	
Power 20°C	(holding)	116 W	
Overexcitation	(1,5 s)	464 W	

OPTION: Electric connection on the CBC140-5 power supply / Parallel connection of the 2 magnets – Part # 2 12 095516

Nominal voltage	+5%/- 10%	115 VAC	Dependant on Application
Nominal current	(holding)	2,2 A	
Overexcitation	(1,5 s)	4,4 A	
Power 20°C	(holding)	116 W	
Overexcitation	(1,5 s)	464 W	

Electric connection directly on the magnets (data for 1 magnet)

Nominal voltage	+5%/- 10%	52 VDC	52 VDC
Overexcitation	(1,5 s)	103,5 VDC	
Nominal current	(holding)	1,1 A	1,1 A
Overexcitation	(1,5 s)	2,2 A	4,5 A
Power 20°C	(holding)	58 W	58 W
Overexcitation	(1,5 s)	232 W	
ED		50%	100%
Mass	31 kg (w/o connection rail)		31 kg (w/o connection rail)
Airgap	0,4 mm		1 mm
Temperature range	(ambient)	0°C to +40°C	0°C to +40°C
Magnet insulation	Class F 155°C		Class F 155°C
Maximum speed	5 m/s (outer sheave dia.)		5 m/s (outer sheave dia.)
Switch voltage	24 VDC		24 VDC
Switch current	10 - 100 mA		10 - 100 mA

Subject to alteration without prior notice.