The electromagnetic disc brake type 3CA2 belongs to the CA2 SIME Brakes range.

This fail-safe brake is spring-applied and electromagnetically released. It is equipped with an automatic wear compensation, ensuring a constant torque whatever the wear of the lining pads.

The CA2 disc brake range was initially designed to equip iron and steel cranes with heavy actuations, ensuring safety and reliability for dynamic braking. Today, these brakes answer the constraints of high-performance braking, whatever the application or conditions.

Applications
- Iron and Steel Industry
- Nuclear Cranes

Benefits include
- Electromagnetic brake
- Designed for 4 million actuations
- Large clearance between disc and linings
- Automatic linings wear compensation
- Steady torque over lining life
- Easy pads replacement
- Opening proving switch
- Options: Mechanical lowering, hydraulic release, manual wear compensation, flameproof protection, ...
Caliper 3CA2
- Fail safe braking
- Braking by spring application
- Electromagnetic release
- Automatic wear compensation
- Opening proving switch

Working conditions:
- Ambient temperature: -10°C to +60°C
- Relative humidity ≤ 70%
- Dust in atmosphere ≥ 65μm
- Other conditions, consult Stromag.

Use:
- Any application up to 1000act/h

Options:
- Brake pads with wear indicator
- Manual release lever
- Hydraulic release
- Manual wear compensation
- Load regulated lowering
- Flameproof protection
- Marine protection
- Closing proving switch
- Switch on release nut

Electrical data:
Opening proving switch:
- 250VAC max., 5A max., with interrupting capacity: 50VA max.
- 220VDC max., 5A max., with interrupting capacity: 50W max.
- Compatible with PLC (Programmable Logic Controllers).

An opening switch used with other equipment than PLC must not be reused with a PLC.