

SIDEOS One MODULE

SPEED MONITORING

SIDEOS One IS A MODULE THAT MONITORS THE HOISTING SPEED, IT ENSURES THE SAFETY OF PEOPLE AND EQUIPMENT

By processing the data of an incremental encoder, SIDEOS One module protects the installation from any risks of overspeed. Its independent system of internal control allows it to detect and record all the faults (encoder, board and output contactors). It can be combined with Stromag limit switches with encoder. It allows to obtain a secured speed monitoring system Category 2 PL d to PLe according to the standard NF EN ISO 13849-01



Benefits include

- Independent and complete solution: easy use.
- Controls the emergency brakes closing in case of overspeed detection.
- Self-control system: detects all internal and external faults.
- Tests all its functions at the switching on or after a restart.
- Controls the overspeed function every "n" tops of the encoder.
- Allows the monitoring of the non-slipping of the load at stop.
- Communication between 2 SIDEOS One enables the detection of a kinematic linkage break.
- LCD display: speed reading, setting, display of the faults detected, display of the orders given to SIDEOS One.

Applications

- Steel Industry
- Port Applications
- Mass Transport
- Nuclear Cranes

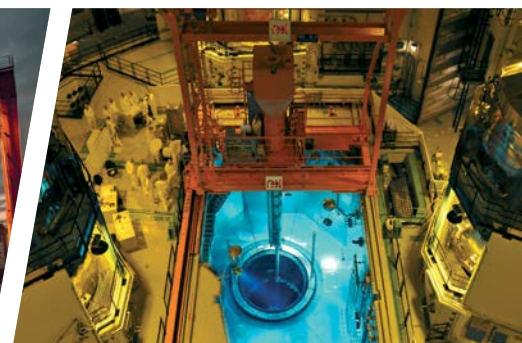


Photo courtesy of REEL

SIDEOS ONE MODULE

SPEED MONITORING

SIDEOS One is a configurable system for speed monitoring, fitted with an efficient auto control system (DCavg>99%) which secures the overall operation of the overspeed detection system.

SAFETY DATA

According to EN ISO13849-1:
Performance level PL=d to PL=e
Category : 2 to 4
MTTFd = 230,9 years
Mission Time TM = 20 years
Calculation PFHd = 1460 op. per year

DIRECTIVES CONFORMITY

- 2006/42/EU directive Machine
- 2014/35/EU Low voltage directive (standard NF EN 60204-1)
- 2014/30/EU EMC directive (standards NF EN 61000-6-2, NF EN 61000-6-4)

OPERATING CONDITIONS

- Ambient temperature: -20°C to +60°C
- IP65 protected electrical casing

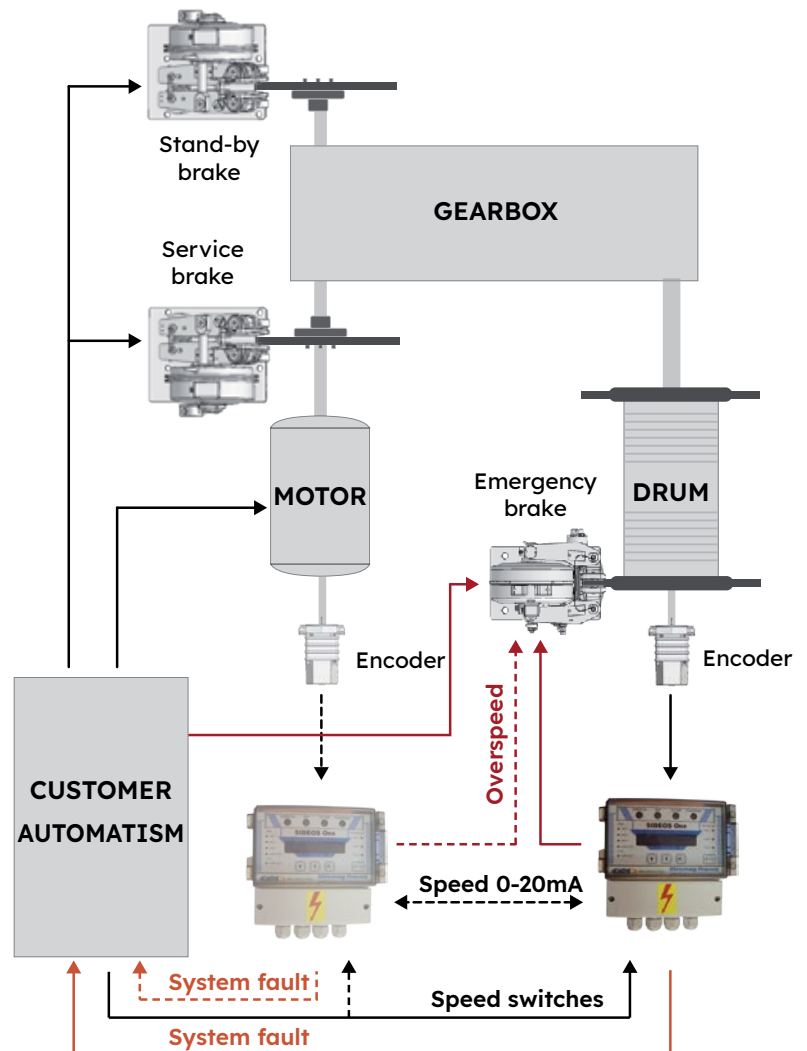
ELECTRICAL DATA

- 2 available versions
AC : 115/230 V AC \pm 10% 50/60Hz
DC : 24 V DC
- Other voltages: consult us

OPTIONS

- Steel casing IP66 IK10
- MSSC contacts module
- Limit switch series 51

ASSOCIATION OF 2 SIDEOS One Detection of any kinematic linkage break



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