

SPREADER-BOY

CONTAINER WEIGHING SYSTEM

New generation of electronic data logging for containers weighing during handling. This one is designed to meet the new SOLAS requirement making it mandatory for containers to be weighed before they are loaded aboard ships.



Features

- 4 or 8 x 4-20 mA analog inputs for force transducers
- 4 digital inputs (start, stop and tare signal)
- 1 output relay being able to signal an alarm (audible, luminous warning signal, etc.)
- Analog outputs according to the measurements
- Data recording on a CompactFlash memory card
- Color touch screen
- Ethernet connection
- RS485 and PROFIBUS interface (option)

Applications

Control of the forces exerted on each corner of the container in order to measure the weight and the eccentricity of the lifted load.

This system allows you :

- To detect any overload, too eccentric loading (container's unbalance), inadvertent locking or unlocking
- To transfer this information to any external management system
- To optimize the maintenance of lifting equipment.

Functions

- Real-time measurement of the signals provided by the force transducers (load pin, load cell, twist lock,..)
- Scaling and data recording
- Easy and user-friendly calibration
- Detection of a possible wire break
- Data recording for several years.

| Specifications | SPREADER-BOY4 | SPREADER-BOY8 | |
|---------------------------|----------------------------|----------------------------|--------|
| Type | Container Weighing Systems | Container Weighing Systems | - |
| Analog input | 4 x 4...20mA | 8 x 4...20mA | - |
| Digital input | 4 * | 4 * | - |
| Accuracy | 0,1 | 0.1 | % F.S. |
| A/D converter | 20ms | 20ms | - |
| Output signal | Analog or digital | Analog or digital | - |
| Qty of relay | 2 | 2 | - |
| Breaking capacity relays | 5A @ 240VAC / 28VDC | 5A @ 240VAC / 28VDC | - |
| Display | Touchscreen 5.7" color | Touchscreen 5.7" color | - |
| Internal memory | 128Mo** | 128Mo** | - |
| Power supply | 24VDC / 100..240VAC*** | 24VDC / 100..240VAC*** | - |
| Service temperature range | 0...+55**** | 0...+55**** | C |
| Storage temperature range | -15...+70 | -15...+70 | C |
| IP Rating | IP65 | IP65 | - |

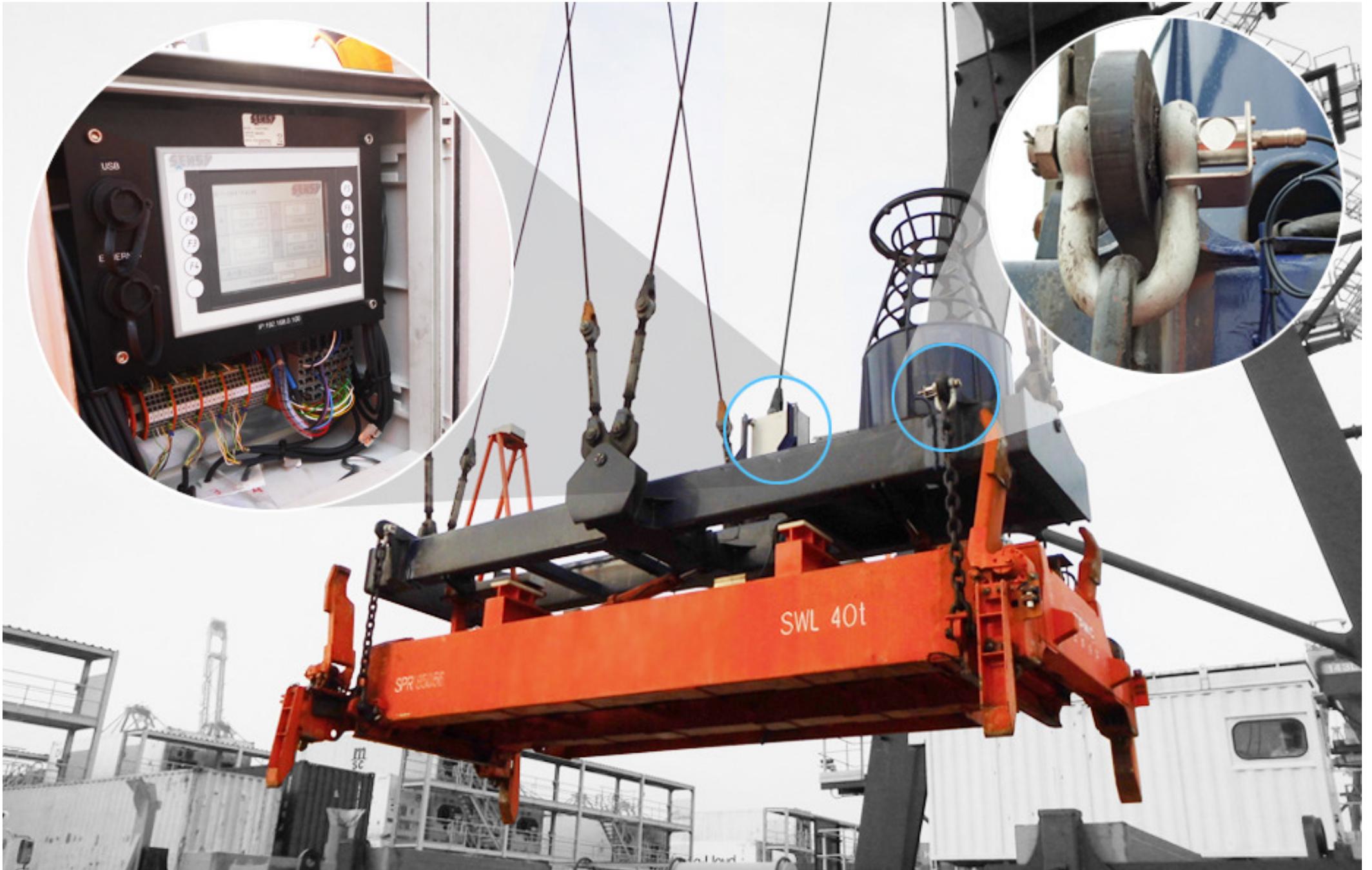
* : Potentiel free contact

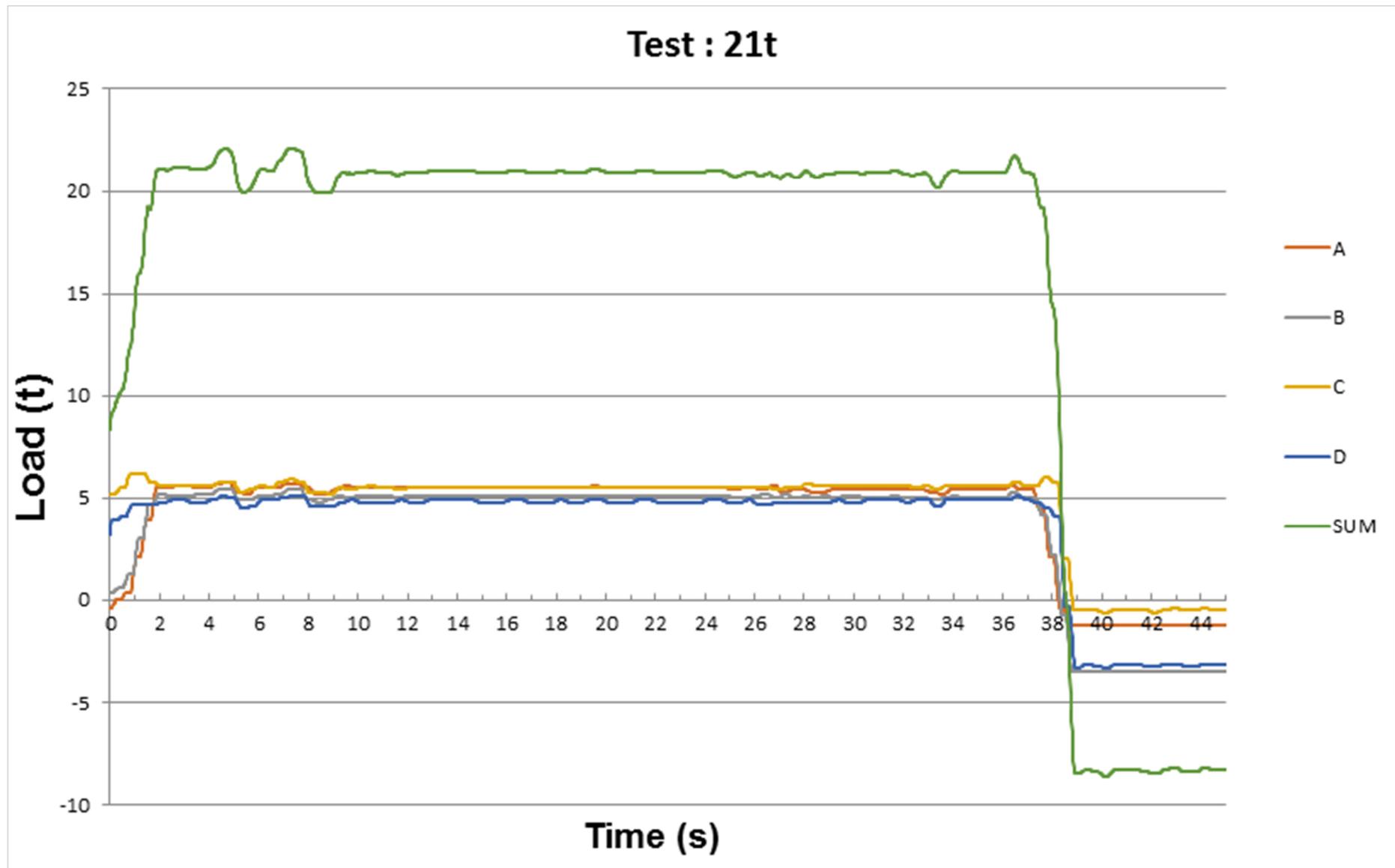
** : Compact flash

*** : 48 VAC (option)

**** : Other on request

F.S.: full scale - Specifications subject to change without notice





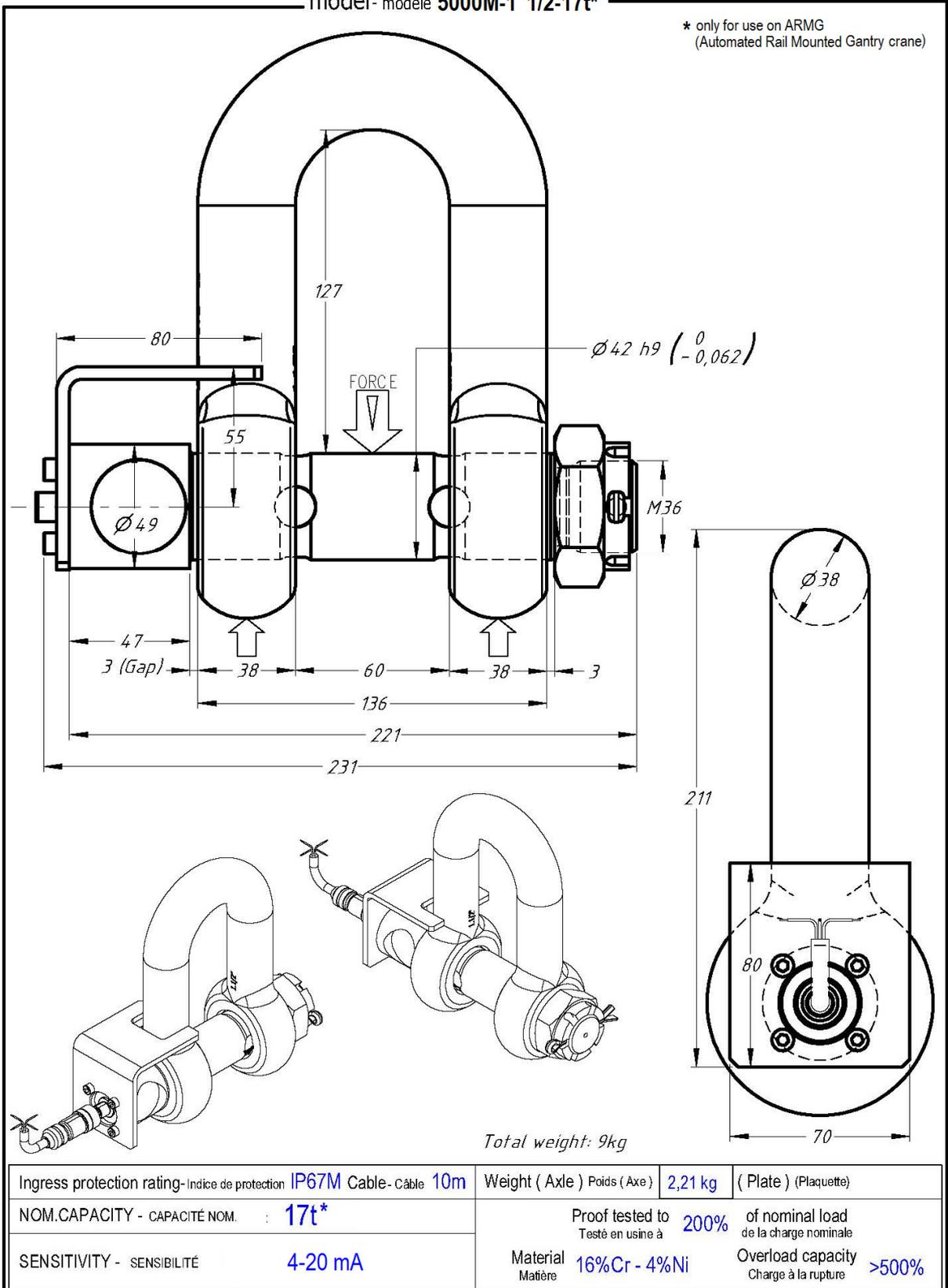


LOAD PIN

AXE DYNAMOMÉTRIQUE

model - modèle **5000M-1"1/2-17t***

* only for use on ARMG
(Automated Rail Mounted Gantry crane)



| | | | | | |
|---|----------------------------|------------|----------------------------------|---------------------|---|
| Ingress protection rating- Indice de protection | IP67M Cable - Câble | 10m | Weight (Axle) Poids (Axe) | 2,21 kg | (Plate) (Plaquette) |
| NOM.CAPACITY - CAPACITÉ NOM. | 17t* | | Proof tested to Testé en usine à | 200% | of nominal load de la charge nominale |
| SENSITIVITY - SENSIBILITÉ | 4-20 mA | | Material Matière | 16%Cr - 4%Ni | Overload capacity Charge à la rupture >500% |