| DISIBEINT                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       |                                  |                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                             | CNM 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                       |                                  |                                                                                                                                            |
| LEVEL CONTROL<br>FOR SOLIDS                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Ø7                                    | Ø 142<br>Ø 154                   | 3.5 M20x1.5                                                                                                                                |
| Application field                                                                                           | Level switch by membrane for the level control of materials in bulk at easy flow, at atmospheric pressure                                                                                                                                                                                                                                                                                                                                                               |                                       |                                  |                                                                                                                                            |
| Operating principle                                                                                         | The membrane must be in touch with the material to be controlled.<br>As the material that enters the silo accumulates and covers the membrane, the pressure<br>on the material pushes back the membrane pressing the mechanism that drives a switch.<br>This switch is used to operate visual or acoustic signals, or to start the loading and unloading<br>mechanisms in silos and containers                                                                          |                                       |                                  |                                                                                                                                            |
|                                                                                                             | 0,3 t/m <sup>3</sup> 2,5 t/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |                                  |                                                                                                                                            |
| Operating pressure                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       |                                  |                                                                                                                                            |
| Breaking pressure                                                                                           | +0,5 bar<br>Female thread M20x1,5                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                       |                                  |                                                                                                                                            |
| Type of contact                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       |                                  |                                                                                                                                            |
| Model<br>Body material<br>Operating temperature<br>Protection<br>Weight<br>Membrane material<br>Application | Reinforced polyes<br>-20°C<br>IP53/IP40 according                                                                                                                                                                                                                                                                                                                                                                                                                       | Optional. M                           | DN ( <b>V</b> )<br>edium and low | CNM 20 A<br>Aluminio<br>25°C +80°C<br>IP65<br>0,95 kg<br>Inoxidable AISI304 (I)<br>Optional. Medium and low<br>level. Higher resistance to |
| Sensitivity<br>Adjustment<br>Membrane fastening                                                             | temperature, greasy. the strain.   60 1000 g (NBR and Viton). 150 2000 g (S.S.).   All the models are supplied adjusted to the maximum sensitivity. It must be applied the required pressure to assure the return of the membrane when it become free of material. By moving the support bracket towards the center, the material must make more force to operate the switch.   Standard, zinc plated steel(Z). Control operate the support bracket towards the center. |                                       |                                  |                                                                                                                                            |
| (ring and screws)<br>Reference setup<br>To compose a reference, select one option of                        | Optional, stainless ste<br>MODEL<br>CNM 20 Membrane switch                                                                                                                                                                                                                                                                                                                                                                                                              | HOUSING<br>P Polyester<br>A Aluminium | N NBR<br>V VITON                 | MEMBRANE FASTENING   Z Zinc plated steel   I Stainless steel                                                                               |
| each one of the columns.<br>Example: CNM 20 PNZ                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       | I SS                             |                                                                                                                                            |

