

Membrane level indicator

Level limit switch for bulk goods

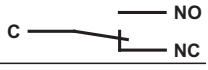

Dust



Explosion protection information

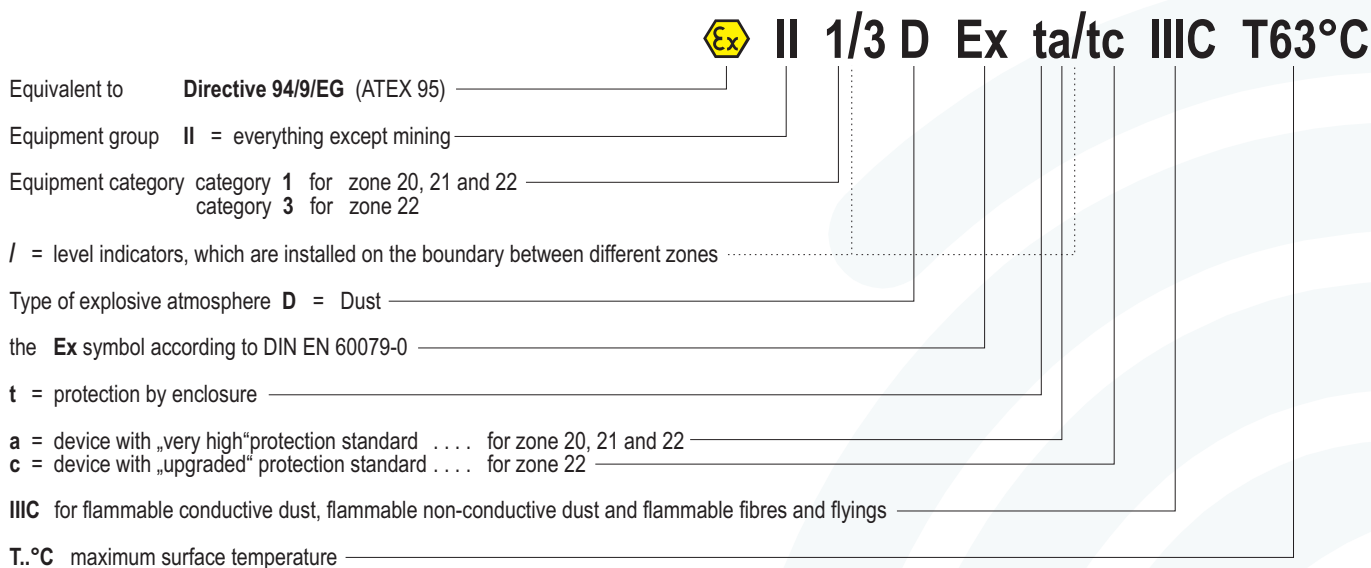
and supplement to the operating instructions

Type plate details B3

<p>Manufacturer and address</p> <p>MOLLET Füllstandtechnik GmbH Industriepark RIO 103 D-74706 Osterburken Tel. +49 62 91 64 400</p>		<p>CE sign with the number of the "Notified Body" which is involved in the production control phase</p> <p>CE 0044</p>		<p>Connection diagram</p> 	
<p>Model designation</p> <p>Typ MFE-...B3</p>		<p>Dust marking</p> <p> II 1/3D Ex ta/tc IIIC T 63 °C</p>		<p>Details to loadability of the signal contact</p> <p>Contact 4 A 240 V~</p>	
<p>Unique serial number</p> <p>S# 1234567890 A.-Nr. 1234567890</p>		<p>Ambient temperature (operation temperature)</p> <p>-20 °C ≤ Ta ≤ +60 °C</p>		<p>Type of protection</p> <p>IP65</p>	
<p>Number which the order was handled</p> <p>03/10</p>		<p>Month and year of delivery</p> <p>03/10</p>		<p>EC-type examination certificate number</p> <p>IBExU06ATEX1068</p>	

Marking in accordance with ATEX 95 and DIN EN 60079-0:2009

Membrane level indicator for use on the boundary from zone 20 to zone 22



Order code **B3**

Marking: **II 1 / 3 D**



Equipment category appropriation by zones

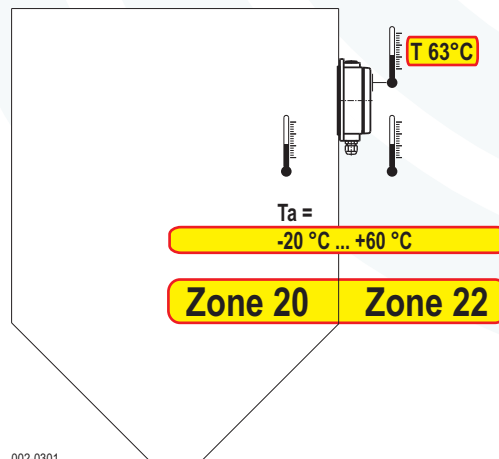
Membrane level indicator for use on the boundary from zone 20 to zone 22

Ambient temperatures **Ta**

The ambient temperature **Ta** defines the maximum operating temperature of the indicators. Inside the vessel this is process temperature (the air or the bulk goods temperature) nearby the device.

maximum surface temperature **T**

The maximum surface temperature means the hottest point at the equipment.



MOLLET GmbH Füllstandtechnik Industriepark RIO 103 D-74706 Osterburken Tel. +49 62 91 64 400		0044	NO NC
Typ MFE-..B3	II 1/3D Ex ta/tc IIIC T 63 °C	Contact 4 A 240 V~	
	-20 °C ≤ Ta ≤ +60 °C		
S# 1234567890 A.-Nr. 1234567890 03/10	IBExU06ATEX1068	IP65	<input type="checkbox"/>



Special conditions and instructions for safe application

1. The installation, maintenance, initial operation, removal and repair have to be controlled resp. checked by an “authorized person” for explosion protection.
2. For the electrical connection you have to take notice of the local and statutory requirements and/or the VDE 0100.
3. Take notice of the specifications on the data plate.
4. A fuse (with max. 4A) has to be connected in series to the voltage supply.
5. Protect the signal contact from voltage peaks when inductive loads are connected.
6. As soon as the device will be brought into the explosion hazardous area it has to be mounted immediately at the pre-caused place and a cable has to be brought into the cable gland.
7. Please check if the cable gland have loosened during on the mounting or at the transport. When it is loosened, it has to be fitted again with a torsional force of 3.75 Nm.
8. To secure the type of protection, the screw nut of the cable gland has to be fixed at the installation with a torsional force of min. 2.7 Nm. **ATTENTION** If it will be fastened too strong, the IP-protection can be affected.
9. The earth connection of the device has to be installed in such a way that mechanical damage will be excluded.
10. The device may put into operation with built-in cap-sealing and when it is closed, only.
11. Switch off the power supply, before opening the device. (touchdangerous voltage)
12. Depending on the bulk goods characteristics and the wear, the carrier has to define resp. to find out in which intervals the membrane of the level indicator has to be checked for leakage to keep the type of protection (dust-proof). This inspection has to be repeated regularly. If there is a fault, the membrane has to be replaced with a new membrane.
13. Take notice of the requirements of DIN EN 61241-14 and DIN EN 60079-17, especially regarding the dust deposits and temperatures and follow the pertinent rules and regulations.
14. Clean the device with a moist towel only. Don't use any pointed objects or solvents.

