

# MBA888

## Digital Rotating Paddle



**Measuring: Point Level**

**Material: all Bulk material and Sediments**

**Ex II 1/2 D Ex ta/tb IIIC T100°C Da/Db**

### Operating voltage

	MBA888** <b>L</b> *_*00000-*_*_*	MBA888** <b>K</b> *_*00000-*_*_*	MBA888** <b>A</b> *_*00000-*_*_*
power supply:	115V...230V AC	24 V DC	12 V DC
power consumption:	26mA (6VA)	90mA (without output load)	120mA (without output load)
signal output:	relais-changeover contact, potential free contact electrical load max.: 230V 6A AC	2 optocoupler high- and low signal 24V max. 1,2A DC (output load)	2 optocoupler high- and low signal 12V max. 1,2A DC (output load)

	MBA888****_*00000-*_*_* <b>X</b>	MBA888****_*00000-*_*_* <b>B</b>
behaviour of sensing:	with reverse rotation, switch delay 6s	without reverse rotation, switch delay 1s

### Variations

	MBA888 <b>X</b> ****_*00000-*_*_* (ohne ATEX)	MBA888 <b>Z</b> ****_*00000-*_*_* (mit ATEX)
electrical connection	non ATEX: plug A-coded, or cable gland with cable.	Cable gland with pre-assembled cable with open wires. ATEX: cable gland with cable

### Operation conditions

ambient temperature:	-30 ... +60°C (without ATEX)	-20...+55°C (with ATEX)
temperature inside container:	up to 80°C	
pressure inside container:	-0,5 ... +3bar	
vibration:	approved up to 29G	

### Certification

explosion approval:	II 1/2 D Ex ta/tb IIIC T100°C Da/Db für den Einsatz in Staub Ex Zone 20/21 EN 60079-0: 2012 + A2013 / EN 60079-31:2013	
mechanical stability	Vibration test : DIN EN 60068-2-6 (10..150 Hz in x-,y-,z-direction) Shock test: DIN EN 60068-2-27 (1000 Shocks in x-,y-,z-direction each at 29G)	
EMC	The electro-magnetic compatibility according to EN 61000-6-4: Sept. 2011 and EN 61000-6-2: March 2006 has been confirmed	

### Material

type of protection:	IP65 – water and dust-proof, also for outdoor installation
material housing:	aluminum or stainless steel
material process connection:	aluminium or stainless steel
material shaft:	stainless steel 1.4305
material sealing:	VITON and PTFE