

# MBA888

## Digital Rotating Paddle



**Measuring: Point Level**

**Material: all Bulk material and Sediments**

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

### Operating voltage

	<b>MBA888 L</b>	<b>MBA888 K</b>
power supply:	115V...230V AC	24 V DC (±10%) oder 12V DC
power consumption:	26mA (6VA)	250mA (6W)

### Switching signal

selection:	relais-changeover contact, potential free contact	optocoupler as normally open contact (NOC),
signal output:	electrical load max.: 230V 6A AC	electrical load max.: 30V 1,2A DC


### Alternatives

electrical connection:	Non ATEX: plug A-coded, or cable gland with cable ATEX: cable gland with cable
switching characteristic:	with changing rotation direction For reliable switch re-start if paddle in unblocked
Option for loading systems:	without changing rotation direction For very quickly switch
immersion depth:	120mm, 180mm, 250mm
process connection:	G 1 1/2 " thread

### Operation conditions

ambient temperature:	-30 ... +60°C (without ATEX) 0,8...1,1bar(with ATEX)
temperature inside container:	up to 80°C
pressure inside container:	-0,5 ... +3bar (air pressure relating to ambient pressure)
vibration:	approved up to 29G

### Certification,

explosion approval:	 II 1/2 D Ex ta/tb IIIC T100°C Da/Db for installations in dust 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