

## MBA Ex 332311

Article No. 3111103202

Material: Aluminium

Protection class: IP66

Explosion protected ATEX-aluminum enclosures are conform to the norm 94/9/EB and can be offered as **empty** enclosures or **connection boxes** in combination with approved Ex-components. Compliance with the essential health and safety requirements has been assured by conformity with EN 60079-0:2009, EN 60079-7:2007 and EN 60079-31:2009. All types comply with the newest requirements of explosion prevention and protection and fulfill the requirements of explosion protection for equipment group II and category 2G, type of protection increased safety and category 2D with protection by enclosures.

We would be glad to assist you!

### MULTI-BOX GmbH

Wallücker Bahndamm 7  
D-32278 Kirchlegern  
Tel. +49 (0)5223 49107-0

info@multi-box.com  
www.multi-box.com

**Empty enclosures** conform to the EC-type examination certificate IBEXU 10 ATEX 1158 U and can be offered with the following markings:

- Type MBA-empty II 2 G Exe II C Gb
- Type MBA-empty II 2 D EX tb III C Db

Operation temperature: -55°C to +135°C

Operation zones: 1, 2, 21 and 22

**Connection boxes** are available in Exe (increased safety) and Exi (intrinsically safety) versions. Both conform to the EC-type examination certificate IBEXU 10 ATEX 1159 and can be offered with following markings:

#### Type MBA-Exe:

- II 2 G Exe II CT
- II 2 DExtb III C T 85° CDD

#### Type MBA-Exi:

- II 2 G Exia II CT6 ..T4Gb

Operation temperature: -55°C/ -20°C < +40°C/+85°C

Operation zones: 1, 2, 21 and 22



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Material information

Material cover	Aluminium
Material base	Aluminium
Material sealing	Silicone
Material screws	Stainless steel
Halogen-free	✓
Material UL listed	✓
UV-resistant	✓

Temperature resistance and application areas

Permanent operating temperature max. (°C)	135
Permanent operating temperature min. (°C)	-55
Suitable for outdoor use	✓
Suitable for indoor use	✓

Technical specifications
















Protection class IP	66
Norm of protection class	DIN EN 60529
Flame retardancy	V0
UL-Subject	UL 94
Earthing point available	✓
Captive cover screws	✓
Assembly tool	PZ2
Tightening torque cover screws max. (Nm)	4.00
Tightening torque cover screws min. (Nm)	2.00
Tightening torque earthing screw max. (Nm)	2.70
Tightening torque earthing screw min. (Nm)	1.50



### Modifications and Services

Mechanical processing	✓
Finishing and Assembly	✓
Surface design	✓
Special colours	✓

### Equipment and accessories

Tragschiene TS 35 Article No. 0111101235	Stahl verzinkt	  
Montageplatte Stahlblech Article No. 0112101300	Stahl verzinkt	  
Wandlaschen M6 (4 Stück) Article No. 0113100510	Edelstahl	  
Außenscharniere Alu (2 Stück) Article No. 0114000101	Aluminium pulverbeschichtet	  
Innengelenke (2 Stück) Article No. 1901000009	Edelstahl	  
Innensechskantschrauben Article No. 1980000115	Edelstahl	
Erdungsbolzen M6 Article No. 3000000169	Edelstahl	
Schutzleitersammelschiene Article No. 3000000002	Messing	



## INDIVIDUALITY IS OUR STANDARD

With our extensive machinery and a highly motivated team, we transform our standard products into your individual solution.

