



## MBA-Ex empty 201490

Article No. 3111108500

Material: Aluminium

Protection class: IP66

MULTI-BOX **Aluminium-Ex empty enclosures** are conform to all installation field requirements where explosive concentrations of gases and dusts can appear. Zones 1 and 2 as well as 21 and 22.

MBA-Ex empty U certified enclosures have a component certificate confirming the construction security for the additional components to be added. Therefore the registration and re-testing of the new product, after the fitting of additional components is considerably simplified, due to the already approved enclosure construction.

The MBA-Ex empty enclosures have a U certification and therefore, after the installation of approved electrical and electrotechnical components into the enclosure, the complete unit should be retested with temperature characteristics included.

We would be glad to assist you!

### MULTI-BOX GmbH

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info@multi-box.com  
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### Dimensions and weight

Length (mm)	200
Width (mm)	140
Height (mm)	90

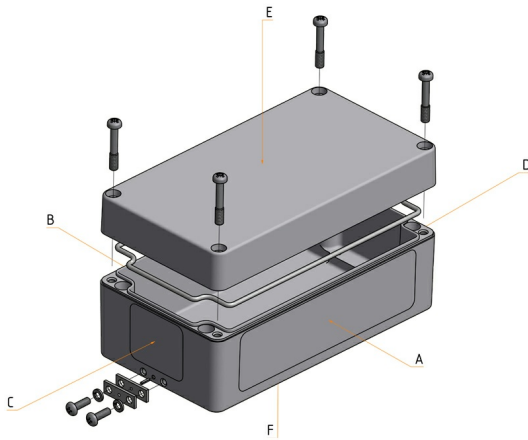
### Color information

Color description cover	Light Grey
RAL-code cover	7001
Color description base	Light Grey
RAL-code base	7001

### Technical Drawings

PDF	
DXF	
3D	





## Material information

Material cover	Aluminium
Material base	Aluminium
Material sealing	Silicone
Material screws	Stainless Steel V2 A
Halogen-free	<input checked="" type="checkbox"/>
UV-resistant	<input checked="" type="checkbox"/>
Surface coating	Powder coating

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## Temperature resistance and application areas

Permanent operating temperature max. (°C)	100
Permanent operating temperature min. (°C)	-55
Suitable for outdoor use	<input checked="" type="checkbox"/>
Suitable for indoor use	<input checked="" type="checkbox"/>






## Technical specifications

Protection class IP	66
Norm of protection class	DIN EN 60529
Earthing point available	<input checked="" type="checkbox"/>
Captive cover screws	<input checked="" type="checkbox"/>
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





## Details explosion protection
















Categorisation	u
Zone classification	1, 2, 21, 22
Test report No. ATEX	IB-14-3-007
Test report No. IEC	IB-14-3-007
EC type-examination ATEX	IBExU10ATEX1158U
Certificate No. IEC	IECEX IBE 14.0020U
Marking	Ex II 2G Ex e IIC Gb, Ex II 2D Ex tb IIIC DI
Test norms	EN60079-0, EN60079-7, EN60079-31
Operating temperature max. (°C)	100
Operating temperature min. (°C)	-55
Surface temperature max. (°C)	135
Voltage max. (V)	1100
Current max. (A)	452
Cable cross section max. (mm <sup>2</sup> )	300
Protective conductor cross section max. (mm <sup>2</sup> )	150
External earthing point	
EC-Prototype Examination Certificate	
IEC-Certificate	
Declaration of Conformity	
Manufacturers Declaration	



## Modifications and Services

Mechanical processing	<input checked="" type="checkbox"/>
Finishing and Assembly	<input checked="" type="checkbox"/>
Surface design	<input checked="" type="checkbox"/>
Special colours	<input checked="" type="checkbox"/>

## Equipment and accessories

Tragschiene TS 35 Article No. 0111100855	Stahl verzinkt	  
Montageplatte Stahlblech Article No. 0112108500	Stahl verzinkt	  
Wandlaschen M6 (4 Stück) Article No. 0113100520	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.



