

The module rack MT16-2G consists of a back-plane and the actual rack system. It can accommodate 2 gateways, 2 power supply units as well as 16 I/O modules. Up to 128 binary inputs/outputs or 64 analog inputs/outputs resp. a mix of both can be connected to it.

All modules can be plugged and unplugged under power without interrupting the data transmission. The same applies to redundant gateways and power supply modules.

The module rack is designed in a combined protection rating of Ex e and Ex i and can therefore be used in zone 1.

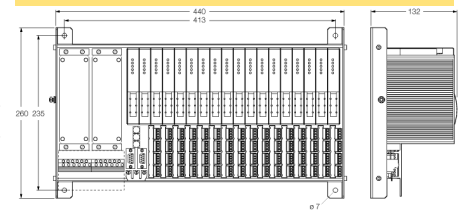
The power supply of modules on the back-plane is limited to prevent sparking. This allows you to pull and plug modules in powered state with *excom®* mounted in zone 1.

The rack system is made of continuously cast aluminium. This ensures increased stability and shielding. The module rack is suited for wall and 19" rack mounting.

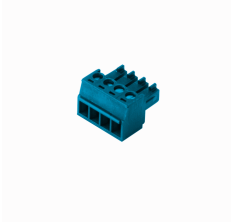
- **Module rack for max. 16 I/O modules, 2 gateways and 2 power supply modules**
- **The terminals for the signal connection level are available as accessories**

<b>Type designation</b>	MT16-2G
Ident-No.	9100687
Ident-No (TUSA)	M9100687
<b>Approvals</b>	
Ex approval acc. to conformity certificate	PTB 00 ATEX 2194 U
Device designation	Ⓔ II 2 (1) G Ex eb ib [ia] IIC T4
<b>Slots</b>	
DC power supply	2
Gateway	2
Block I/O	16
<b>Terminal cross-section</b>	
	1.5 mm <sup>2</sup>
<b>Bus connection</b>	
Bus address	2 x 9-pin SUB-D
Housing material	3 x decimal-coded rotary switches
Connection mode	Aluminium strut profile wall mounting
<b>Protection class</b>	
Ambient temperature	IP20
Relative humidity	-20...+70 °C
Vibration test	≤ 95 % at 55 °C acc. to EN 60068-2
Shock test	acc. to IEC 60068-2-6
EMC	acc. to IEC 60068-2-27
	acc. to EN 61326-1 (2006)
	acc. to NAMUR NE21 (2007)
MTTF	1211 acc. to SN 29500 (Ed. 99) 40 °C
Dimensions	440 x 260 x 130 mm
<b>Approvals</b>	
	ATEX

**Dimensions**



**Accessories**

Type code	Ident-No.	Description	
STB16-4RS/1,5-BU	9909622	16-pcs. set: 4-pin terminal block, screw clamps blue	
STB16-4RC/1,5-BU	9909623	16-pcs. set: 4-pin terminal block, cage clamps blue	