

The module rack MT16-3G 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 in/outputs or 64 analog in/outputs resp. a mix of both can be connected to it.

All modules can be plugged and unplugged in energized state without interrupting the data transfer. The same applies to redundant gateways and power supply units.

A combined protection rating of Ex-e and Ex-i enables application in zone 2.

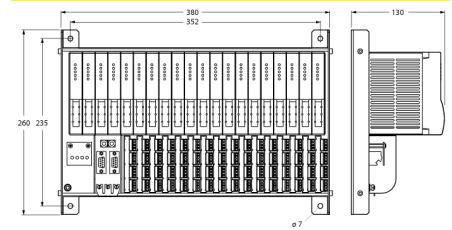
The power supply of modules on the back-plane is limited to prevent sparking. This allows you to pull and plug modules in powered state with *excom®* mounted in zone 2.

The rack system is made of aluminium strand cast, providing better stability and shielding. The module rack is suited for wall and 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 code</b>	MT16-3G
Ident no.	9100681
<b>Ex approval acc. to conformity certificate</b>	PTB 00 ATEX 2194 U
Device designation	Ⓔ II 3 (1) G Ex nAc ib ic [ia] IIC T4
<b>Slots</b>	
DC power supply	2
Gateway	2
I/O modules	16
<b>Electrical connection</b>	4 x 4 clamps per module
Terminal cross-section	1.5 mm <sup>2</sup>
Bus connection	2 x 9-pol. D-SUB
Bus address	2 x decimally coded rotary switches
Housing material	Aluminium strand cast profile
Connection mode	Wall mounting
<b>Protection class</b>	IP20
Ambient temperature	-20...+70 °C
Relative humidity	≤ 95% at 55 °C acc. to EN 60068-2
Vibration test	acc. to IEC 60068-2-6
Shock test	acc. to IEC 60068-2-27
EMC	acc. to EN 61326-1 (2006) acc. to Namur NE21 (2007)
MTTF	1211 years acc. to SN 29500 (Ed. 99) 40 °C
Dimensions	380x 260x 130 mm
Weight	1975 g

**Dimensions**



**Accessories**

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