

The module rack MT16-2G/MSA consists of a backplane 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 backplane is limited to prevent sparking. This allows you to pull and plug modules in powered state with *excom®* mounted in zone 1.

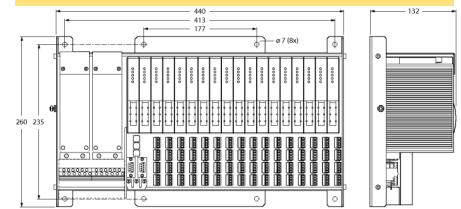
The rack system is made of continuously cast aluminium. This ensures increased stability and shielding. The module rack is suited for wall and 19" rack mounting.

The module rack MT16-2G/MSA is especially adapted to the requirements for maritime applications. It is certified acc. to the ship classes GL, DNV, BV and LR.

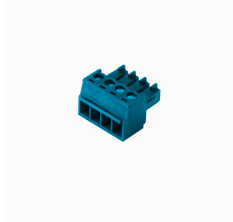
- **Module rack for max. 16 I/O modules, 2 gateways and 2 power supply modules**
- **The terminals for the signal connection level are available as accessories**
- **Module rack approved for maritime applications (certification according to GL, DNV, BV and LR)**

Type designation	MT16-2G/MSA
Ident no.	9100688
Ex approval acc. to conformity certificate	PTB 00 ATEX 2194 U
Device designation	Ⓔ II 2 (1) G Ex eb ib [ia] IIC T4
Slots	
DC power supply	2
Gateway	2
Block I/O	16
Terminal cross-section	1.5 mm ²
Bus connection	2 x 9-pin SUB-D
Bus address	3 x decimal-coded rotary switches
Housing material	Aluminum extrusion profile
Connection mode	wall mounting
Protection class	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)
Dimensions	440 x 260 x 130 mm
Approvals	ATEX GL DNV BV LR

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	