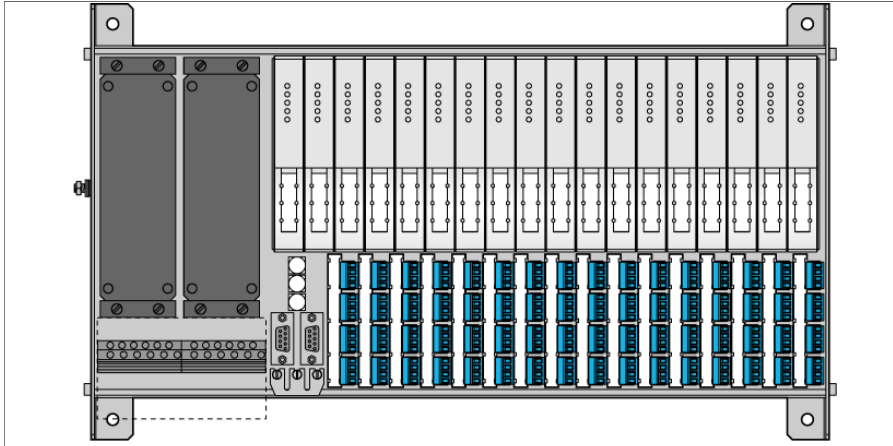


excom I/O System

Module rack, zone 1, for 16 modules

MT18-R024



The MT18-R024 module rack consists of a backplane and the actual rack system. It can accommodate 2 gateways, 2 power supply modules 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 transfer. The same applies to redundant gateways and power supply modules.

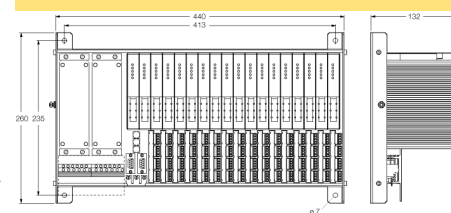
A combined protection rating of Ex-e and Ex-i enables application in zone 1.

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 aluminum. This ensures increased stability and shielding. The module rack is suited for switch cabinet 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

Dimensions



Type	MT18-R024
ID	9100438
Ex approval acc. to conformity certificate	IECEX PTB 13.0040 U
Ex approval acc. to conformity certificate	PTB 00 ATEX 2194 U
Device designation	Ex 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
Electrical connection	4 × 4 clamps per module
Bus connection	2 x 9-pin SUB-D
Bus address	3 x decimal-coded rotary switches
Housing material	Aluminium, extrusion profile
Connection mode	Mounting panel
Protection class	IP20
Ambient temperature	-20...+70 °C
Relative humidity	≤ 93 % at 40 °C acc. to IEC 60068-2-78
Vibration test	Acc. to IEC 60068-2-6
Shock test	Acc. to IEC 60068-2-27
EMC	Acc. to EN 61326-1 Acc. to Namur NE21
MTTF	1211 years acc. to SN 29500 (Ed. 99) 40 °C
Dimensions	440 x 260 x 130 mm
Approvals	ATEX IECEX cFMus TR CU KOSHA NEPSI INMETRO

Accessories

Type code	Ident-No.		Dimension drawing
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	