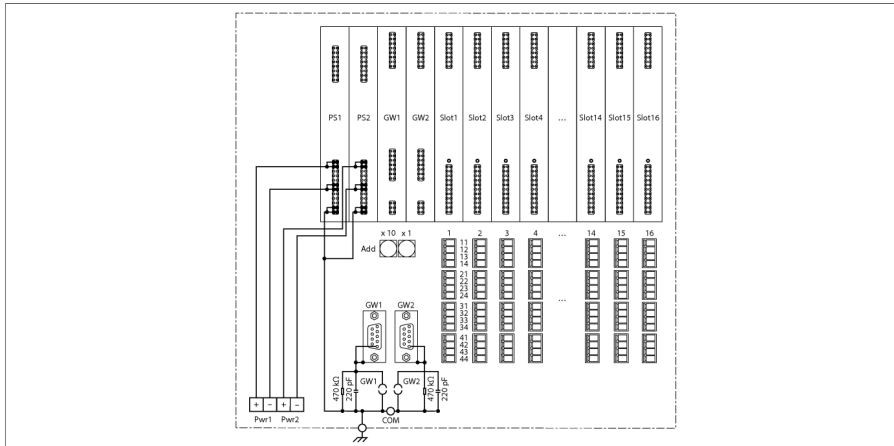


# excom I/O System

## Module Rack, Non-Ex, for 16 Modules

### MT16-N



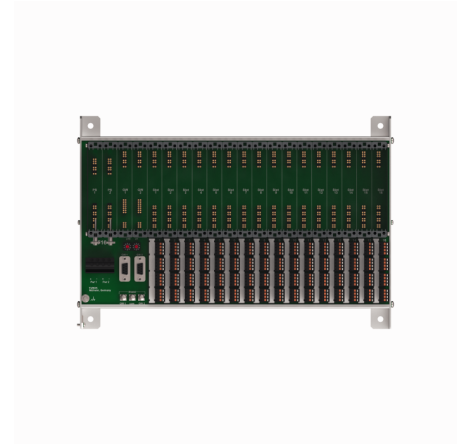
The module rack MT16-N consists of a back-plane and the actual rack system. It can accommodate 2 gateways, 2 power supply units as well as 16 I/O modules. Up to 128 binary inputs/outputs or 64 analog inputs/outputs resp. a mix of both can be connected to it.

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

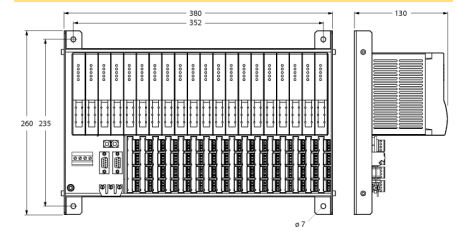
The module rack can be installed in non-Ex areas and in zone 2/22, and only non-intrinsically safe signals should be connected.

The rack system is made of continuously cast aluminum. This ensures increased stability and shielding. The module rack is suited for switch cabinet 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

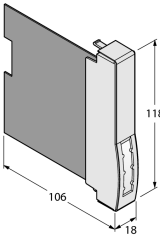


## Dimensions



|                                            |                                            |
|--------------------------------------------|--------------------------------------------|
| Type                                       | MT16-N                                     |
| ID                                         | 9100686                                    |
| Ex approval acc. to conformity certificate | IECEX TUR 21.0012X                         |
| Ex approval acc. to conformity certificate | TÜV 21 ATEX 8643 X                         |
| Device designation                         | Ex II 3 G Ex ec IIC T4 Gc                  |
| Slots                                      |                                            |
| DC power supply                            | 2                                          |
| Gateway                                    | 2                                          |
| Block I/O                                  | 16                                         |
| Terminal cross-section                     | 1.5 mm <sup>2</sup>                        |
| Electrical connection                      | 4 × 4 clamps per module                    |
| Bus connection                             | 2 x 9-pin SUB-D                            |
| Bus address                                | 2 x decimal-coded rotary switches          |
| Housing material                           | Aluminium, extrusion profile               |
| Connection mode                            | Mounting panel                             |
| Protection class                           | IP20                                       |
| Ambient temperature                        | -40...+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<br>Acc. to Namur NE21   |
| MTTF                                       | 1211 years acc. to SN 29500 (Ed. 99) 40 °C |
| Dimensions                                 | 380 x 260 x 130 mm                         |
| Approvals                                  | ATEX<br>cFMus<br>cFM<br>IECEX<br>CE        |

Accessories

| Type code | Ident no. |                                                             | Dimension drawing                                                                   |
|-----------|-----------|-------------------------------------------------------------|-------------------------------------------------------------------------------------|
| BM-N      | 6884226   | Dummy module for unused slots on the module rack, version N |  |