| Standard Delivery |
| :--- |
| MXSWitch |

Mxswitch top-hat rail module with filip-top lid



| The MOBOTIX MxSwitch is only to be used in switch boxes and must be installed on top-hat rails (also "cap rail" or "DIN rail"). | under the direction and supervision of a qualified electrician in accordance with the applicable guidelines. Make sure to properly |
| :---: | :---: |
| This product must not be used in locations exposed to the dangers of explosion. | set up all electrical connections. |
| - Only use an external power supply with 48 V DC and min. 2 A . | configuration options for operation in Ethernet networks in compli- |
| Make sure to respect the operating temperature range of 0 to $+40^{\circ} \mathrm{C}$ for the M×Switch. | data protection concept across the entire system. The basic settings |
| Electrical installation: Electrical systems and equipment may only be installed, modified and maintained by a qualified electrician or | are password-protected. This prevents unauthorized parties from accessing these settings. |



Connecting the M×Switch and the Powered Devices

1. Notes on Connecting

2. Using the Spare Wire Pairs (Ports A and D)


For these two ports, the wire pairs $4 / 5$ and $7 / 8$ have been looped through to the terminals so they can be used for other purposes see also se tion «Example scenarios» and the connection examples on page 2). Make sure to use a standard network installation cable since you need
to apply crimping plugs inside the switch box or use a patch field to to apply crimping plugs inside the sw
connect the cable to the Mxswitch.
3. Using the Uplink Port

This port can be used to connect to another switch (and thus to the
network) or to a router If this network) or to a router. If this port is not used, you can connect a
computerto configure the network devices powered by the MxSSwitch.
2. Removing the Module

Remove the network cable and any other cables or wires; ;solate blank Push a suitablescher iver into the red clip on one side of the moduld (top or bottom), then gently pull the clip from the housing untili it clicks into the open locked position. Repeat the procedure on the clip on the
other side and remove the module.


[^0]Notes on Using the M×Switch



$$
\begin{aligned}
& \text { Wire pair } 4 / 5 \text { connected to BellRFIID signal output. } \\
& \text { Whire pair } 7 / 8 \text { connected to theft toretection. }
\end{aligned}
$$

Connection Example in SmartAccessSet With MX-DoorMaster


```
- Wire pair \(4 / 5\) connected to \(M \times B\) us plug of the \(T 25\).
Wire pair \(7 / 8\) connected to theft protection.
```

Technical Specifications

| MxSwitch |  | MxSwitch |  |
| :---: | :---: | :---: | :---: |
| Controls | Push-button switch inside puts 12 V DC for 90 sec. on terminals 17/18 | Cross-sectional area <br> of wires at the termi- <br> nals | 0.2 to $2.5 \mathrm{~mm} / 2 / 24$ to 14 AWG |
| Power Supply | Ext. pewer supply 48 VDC, min. 2 AIndoor, poprating temperatureoto $+40^{\circ} \mathrm{C}$ |  |  |
| Operating conditions |  | Connections | - 2 terminals for ext. power supply 48 VDC <br> - 5 Ethernet connectors, 4 PoE + (max. combined total load 75 W ), 1 uplink (without PoE) <br> - Terminals 1 to 4 (Port A) and 13 to 16 (PortD) loop through wire pairs 4/5 and $7 / 8$ of network cables <br> - 8 terminals for backbone pins extension connector, reverse) <br> - 2 terminals for power supply 12 VDC , 1A <br> - 2 terminals with 12 VDC , controlled by push-button switch (see "Controls,s) |
| Dimensions |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
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|  |  |  | cex |
|  |  |  | MOBOTIX |


[^0]:    After removing the module, lightly press on the clips; they will jump
    back into their original position.

