

Strip Terminal for Power Supply, Loads, Sensors and Audio

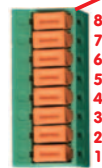
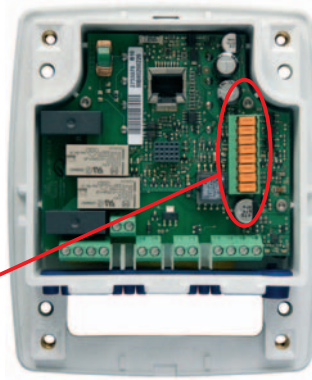
When connecting the wires, make sure that you use only cables that have been approved for the intended purpose and that you adhere to the relevant legal and technical rules.



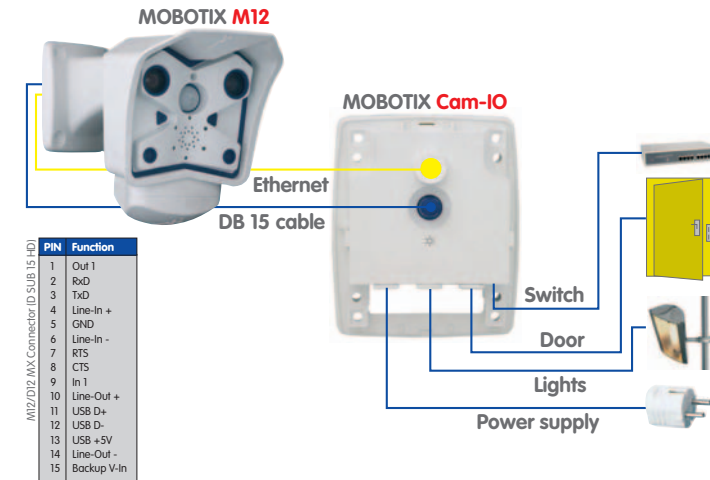
Strip Terminal for the Ethernet Cable

When connecting the Ethernet cable to the strip terminal, make sure that you use CAT 5 or better cable.

The strip terminal is to be connected using the EIA/TIA (EIA: Electronic Industries Alliance, TIA: Telecommunications Industry Association) **connection standard EIA/TIA 568B (AT&T 258A)** as follows:



Connection Diagram M12



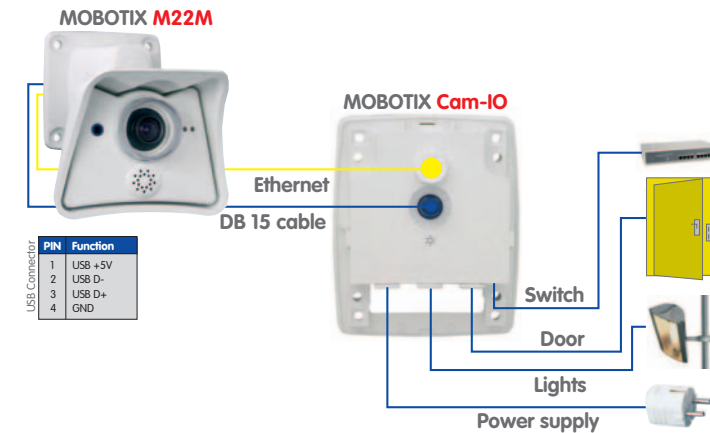
Pin	Description	Remark
1	Conductor	Power Supply of the Cam-IO
2	Null	
3	Conductor for Switch Output 1	Loads without own power supply max. 4A (lights: max. 500 W)
4	Null for Switch Output 1	
5	Wire 1 for Switch Output 2	Loads with own power supply 5 - 230 VAC, 4 A (min 5 VDC, 100 mA)
6	Wire 2 for Switch Output 2	
7	Wire 1 for Switch Input 1	Sensor 1 (light barrier, ext. PIR sensor, etc.) 8 - 230 VAC
8	Wire 2 for Switch Input 1	
9	Wire 1 for Switch Input 2	Sensor 2, 8 - 230 VAC
10	Wire 2 for Switch Input 2	
11	Audio Out +	Ext. can be attached directly, max. 2.5 W/8 Ohms
12	Audio Out -	
13	Audio In +	Ext. microphone with pre-amplifier
14	Audio- n -	

Pin	TIA 568B Pair No.	TIA 568 Color	Diagram
8	4	Brown cable/white line	
7	4	white cable/brown line	
6 (RX-)	3	Green cable/white line	
5	1	White cable/blue line	
4	1	Blue cable/white line	
3 (RX+)	3	White cable/green line	
2 (TX-)	2	Orange cable/white line	
1 (TX+)	2	White cable/orange line	

If the Ethernet cabling at the location has been installed using the **connection standard EIA/TIA 568A**, connect the Ethernet wires as follows:

Pin	TIA 568A Pair No.	TIA 568 Color	Diagram
8	4	Brown cable/white line	
7	4	White cable/brown line	
6 (RX-)	3	Orange cable/white line	
5	1	White cable/blue line	
4	1	Blue cable/white line	
3 (RX+)	3	White cable/orange line	
2 (TX-)	2	Green cable/white line	
1 (TX+)	2	White cable/green line	

Connection Diagram M22



Caution

Using **pins 3 and 4** for supplying power to devices without their own power supply is only possible if the power supply of the Cam-IO itself has been connected to **pins 1 and 2 to 230 VAC**.

If the MOBOTIX Cam-IO is **only supplied with power via PoE** (on the Ethernet strip terminal), pins 3 and 4 **cannot switch any loads**. You can, however, switch devices on pins 5 and 6, if these devices have their own power supply.