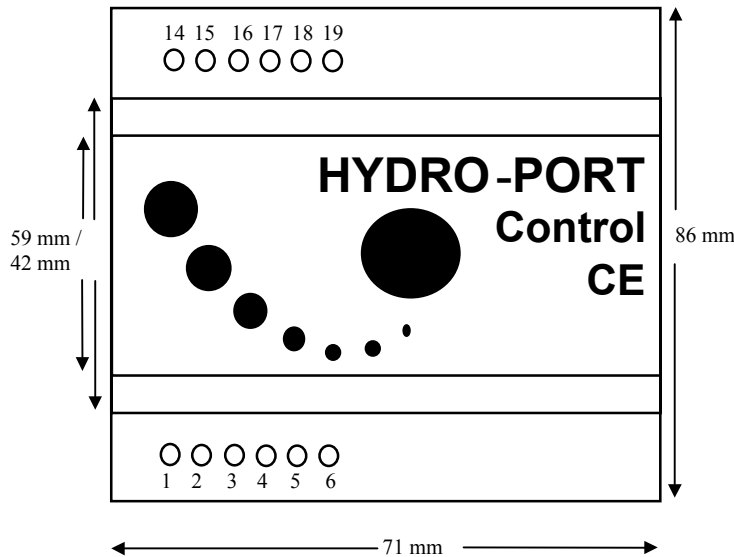


### HYDRO-PORT Control Switching Module with M-Bus Interface Installation



- Inputs:** 2 x Contact  
(Reed Contact,  
Open Collector)
- 2 x Bistable Relay Contact
- Outputs:** M-Bus, Optical  
DIN EN 1434-4
- 300, 2400 Baud  
Autodetect

**Note:** The HYDRO-PORT Control device may only be installed and operated by trained personnel.

#### Mounting and Dismounting

- Mounting:** HYDRO-PORT Control is prepared for mounting on a standard rail mount. Clamp the HYDRO-PORT Control device on the rail mount. The black hook at the bottom of the device should snap in firmly.
- Dismounting:** Use a screwdriver to pull the black hook down. The HYDRO-PORT Control device will snap off the rail mount and you can take it off.

#### Electrical Connections

- Note:**
- The maximum switching power of the relays is 60 V DC / 1 A.
  - The HYDRO-PORT Control is solely supplied by the M-Bus connection. Therefore, the maximum switching frequency is limited to approx. 1 switching process per 10 seconds.
  - Only connect voltage-free contacts to the contact inputs (P1+, P1-, P2+, P2-), e.g. Reed contacts or open collector transistors.

Number		Description
1		Not Connected
2	R1+	Relay Contact 1 +
3	R1-	Relay Contact 1 -
4	R2+	Relay Contact 2 +
5	R2-	Relay Contact 2 -
6		Not Connected
14	P1+	Contact Input 1 +
15	P1-	Contact Input 1 -
16	P2+	Contact Input 2 +
17	P2-	Contact Input 2 -
18	M-Bus	M-Bus Input
19	M-Bus	M-Bus Input

**Note:**

- The HYDRO-PORT Control device has got two communication interfaces: M-Bus and optical. For **communication using the optical interface it is mandatory to connect the M-Bus** since the HYDRO-PORT Control gets its power supply out of the M-Bus interface.
- The HYDRO-PORT Control contains bistable relays which keep their switching state even during times of M-Bus power failure.
- The HYDRO-PORT Control is only supplied by the M-Bus. Therefore, the maximum switching frequency is limited to approx. 1 switching process per 10 seconds. It is possible to make 50 switching processes one after another before the internal control logic blocks any further switching process. After approx. 30 seconds the block is removed.

**Support:**

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