



**Problem**

Watertight switching units are advised for external use upon yachts. Until now only watertight on-off switches were available, the circuit breakers were always kept internally on board.

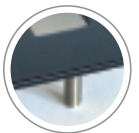
**Solution**

The power distribution panel, Serie 710 makes direct protection of switches mounted externally possible. Therefore no longer the need to direct cable and hook up to circuit breakers that are somewhere intern. Circuit breakers are available in 6 A, 10 A, 16 A, 20 A or as button in 10A.



The circuit breaker has an internal function control light. During circuit supply the control light is on. The symbols are drawn with laser to make them impermeable to all types of weather.

The panels are mounted on the reverse side with threaded studs. The supplied seals are for water proof mounting.



The distribution panels are supplied without actuators, that way each circuit can be individually labelled. Actuators have to be ordered separately.

The big actuator ensures the safe tripping also with gloves.



**STV 715** Order-No.: **0 2000 7150**

Watertight panel with 5 circuit breakers 10 A. Actuators have to be ordered separately.

**Dimensions** W 147 x H 69 x D 60 mm



**STV 714** Order-No.: **0 2000 7140**

Watertight panel with 3 circuit breakers 10 A and cigarette socket 21mm. Actuators have to be ordered separately.

**Dimensions** W 147 x H 69 x D 60 mm



**STV 713** Order-No.: **0 2000 7130**

Watertight panel with 3 thermal circuit breakers 10 A. Actuator has to be ordered separately.

**Dimensions** W 95 x H 69 x D 65 mm



**STV 711** Order-No.: **0 2000 7110**

Watertight panel with 1 thermal circuit breaker 10 A. Actuator has to be ordered separately.

**Dimensions** W 43 x H 69 x D 65 mm

## WATERTIGHT CIRCUIT BREAKER



**STV 722**

Order-No.: **0 2000 7220**

Watertight panel with 12 circuit breakers 10 A.  
Actuators have to be ordered separately.

**Dimensions** ..... W 329 x H 69 x D 65 mm



■ **3131-MRS** (side module)

Order-No.: **1 3087 9001**

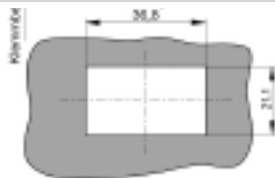
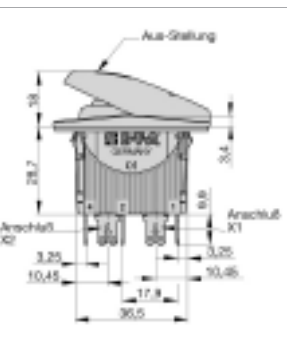
■ **3131-MRM** (middle module)

Order-No.: **1 3087 9101**

Alignable frame for circuit breakers series 3131 consisting of side- and middle-module. Minimum cut-out for 2 side - modules: W 51,2 x H 48,3 mm; a middle module spreads the complete frame width by 26,2 mm each.

**Dimensions** ..... side modul ..... W 35 x H 68 mm  
..... middle modul ..... W 26,2 x H 68 mm

## ACTUATORS FOR SERIES 3131



**E-TA 3131**

Snap in single pole on/off circuit breaker (IP 66), water tight with overload protection and control light. Cut-out dimensions: 37 x 21.1mm Width: 24mm.  
Rated voltage DC 30V. Current range 0 - 20A.

- **3131-AF1ET-WB0000-1Y3-6A** ..... Order-No.: **1 3135 1006**
- **3131-AF1ET-WB0000-1Y3-10A** ..... Order-No.: **1 3135 1010**
- **3131-AF1ET-WB0000-1Y3-16A** ..... Order-No.: **1 3135 1016**
- **3131-AF1ET-WB0000-1Y3-20A** ..... Order-No.: **1 3135 1020**

**Circuit breaker push button function**

- **3131-CF1ET-WB0000-1Y3-10A** ..... Order-No.: **1 3135 2010**

**Three position switch 1-0-2 without protection.**

- **3131-BF1NQ-000000-1Y3-20A** ..... Order-No.: **1 3135 3020**

**Three position button (1)-0-(2) without protection.**

- **3131-DF1NQ-000000-1Y3-20A** ..... Order-No.: **1 3135 4020**

### Actuators for Series 3131

- **Neutral** ..... Order-No.: **1 2222 8201**
- **Power boat interior illumination** ..... Order-No.: **1 2222 8801**
- **Power boat anchor light** ..... Order-No.: **1 2222 8802**
- **Power boat cockpit illumination** ..... Order-No.: **1 2222 8803**
- **Power boat position lights** ..... Order-No.: **1 2222 8804**
- **Bow lantern** ..... Order-No.: **1 2222 8843**
- **VHF** ..... Order-No.: **1 2222 8805**
- **Refrigerator** ..... Order-No.: **1 2222 8806**
- **Anchor winch control** ..... Order-No.: **1 2222 8807**
- **Anchor winch up/down** ..... Order-No.: **1 2222 8844**
- **Wind screen wiper** ..... Order-No.: **1 2222 8808**
- **Bilge pump** ..... Order-No.: **1 2222 8809**
- **Fresh water pump** ..... Order-No.: **1 2222 8810**
- **Horn** ..... Order-No.: **1 2222 8811**
- **Ventilation** ..... Order-No.: **1 2222 8812**
- **Instruments illumination** ..... Order-No.: **1 2222 8813**
- **Navigation instruments** ..... Order-No.: **1 2222 8814**
- **Radio** ..... Order-No.: **1 2222 8815**
- **Heating system** ..... Order-No.: **1 2222 8816**
- **Shower pump** ..... Order-No.: **1 2222 8817**
- **Spray nozzle** ..... Order-No.: **1 2222 8820**
- **Searchlight** ..... Order-No.: **1 2222 8823**
- **Auto pilot** ..... Order-No.: **1 2222 8824**
- **Trim tab** ..... Order-No.: **1 2222 8825**
- **Sailing boat position lights** ..... Order-No.: **1 2222 8827**
- **Sailing boat cock pit illumination** ..... Order-No.: **1 2222 8828**
- **Sailing boat deck illumination** ..... Order-No.: **1 2222 8829**
- **Sailing boat anker light** ..... Order-No.: **1 2222 8830**
- **Socket** ..... Order-No.: **1 2222 8841**
- **bluelight** ..... Order-No.: **1 2222 8842**
- **Underwater illumination** ..... Order-No.: **1 2222 8870**
- **Bimini illumination** ..... Order-No.: **1 2222 8871**
- **Step illumination** ..... Order-No.: **1 2222 8872**
- **Stern flap** ..... Order-No.: **1 2222 8873**

