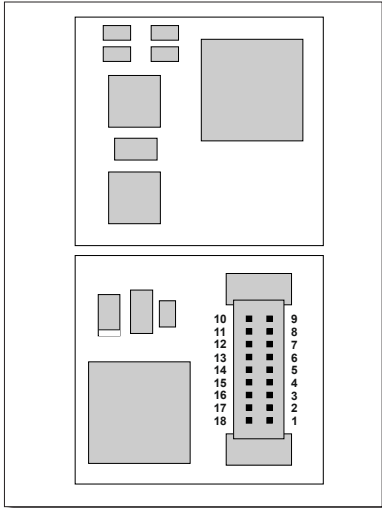




Doehler & Haass

FH18A 2nd Generation



| Specifications (2 nd generation) | FH18A |
|--|-----------------|
| Dimensions [mm] | 9,7 x 8,9 x 2,8 |
| Total load | 1,5 A |
| Maximum operating voltage | 30 V |
| Function outputs for light: LV, LR (dimmbable) | each 150 mA |
| Function outputs: AUX1, AUX2 (dimmbable) | each 300 mA |
| Function outputs: AUX3, AUX4, AUX5, AUX6 | unamplified *) |
| With SUSI interface (if AUX3/AUX4 deactivated) | X |
| Connecting options | |
| 18 pin connector for direct plugging (Next18) | FH18A |

Pin assignment

- G1, G2** Track connection 1, 2
- LV, LR** Front light, rear light (each 150 mA)
- AUX1, AUX2**... Additional function 1, 2 (each 300 mA)
- AUX5, AUX6**... Unamplified function 5, 6 *)
- VS**..... Supply voltage (also for SUSI)
- ZCLK**..... SUSI clock (or AUX3 unamplified) *)
- ZDAT** SUSI data (or AUX4 unamplified) *)
- GND** Ground (0 V)

Next18 interface

| | | | | | | | | | |
|--|----|----|---------|------|-----|------|---------|----|----|
| | G1 | LR | AUX5 *) | VS | GND | ZDAT | AUX2 | M2 | G2 |
| | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | G1 | M1 | AUX1 | ZCLK | GND | VS | AUX6 *) | LV | G2 |

*) Unamplified function outputs

Because the function outputs (logic level 0 V – 5 V, max. 20 mA), which may be unamplified, cannot switch larger loads, switching amplifiers (MOSFET, bipolar transistors or similar) must be provided for loads that require either a higher supply voltage (> 5 V) or a higher current (> 20 mA).

If necessary: Connect blue wire (common return conductor) to VS.
You can connect a buffer capacitor to VS (+) and GND (-).

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