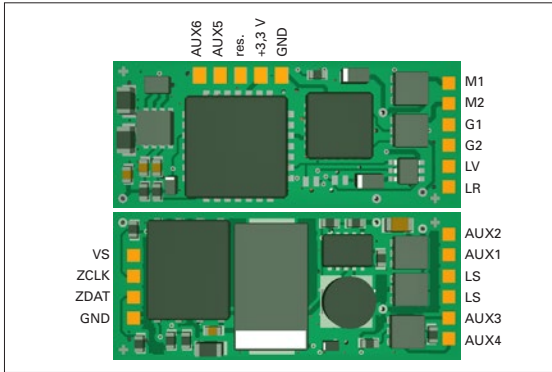




Doehler & Haass

SD10A 3rd generation



*) Unamplified function outputs

As in case the unamplified function outputs (logic level 0 V - 3,3 V, max. 2 mA) cannot switch greater loads, switching amplifiers (MOSFET, bipolar transistors or the like) must be provided for consumers, which either require a higher supply voltage (> 3,3 V) or a higher current (> 2 mA).

Specifications (3 rd generation)	SD10A
Dimensions [mm]	21,2 x 9,1 x 3,4
Driving characteristic values	
Total load	1,5 A
Maximum motor current	1,5 A
Maximum operating voltage	30 V
Function outputs for light: LV, LR (dimnable)	each 150 mA
Function outputs: AUX1, AUX2 (dimnable)	each 300 mA
Function outputs: AUX3, AUX4 (dimnable)	each 1,0 A
Function outputs: AUX5, AUX6 (dimnable)	unamplified *)
With SUSI interface	X
Sound characteristic values	
Sampling rate	22 kHz
Resolution	16 Bits
Independent sound channels	8
Memory size	128 megabits
Memory period	up to 760 s
Maximum output rating	2,6/1,6 W (4/8 Ω)
Connecting options	
Without connection wires	SD10A-0
With ribbon cable for interface per NEM651	SD10A-1
With connection wires	SD10A-3

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

Pinbelegung

Interface

- M1, M2**..... Motor connection 1, 2
- G1, G2**..... Track connection 1, 2
- LV, LR** Front light, rear light (each 150 mA)
- AUX1, AUX2**..... Additional function 1, 2 (each 300 mA)
- AUX3, AUX4**..... Additional function 3, 4 (each 1,0 A)
- VS**..... Supply voltage (also for SUSI)
- ZCLK**..... SUSI clock
- ZDAT** SUSI data
- GND** Ground (0 V)
- LS** Speaker

Five solder pads

- AUX5, AUX6**..... Unamplified function *)
- res.** Please do not connect anything!
- +3,3 V** Electronic supply voltage
(not for the user!)
- GND** Ground (0 V)

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